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Vegetation Survey of Pohnpei, Federated States of Micronesia

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Cover: The agroforest vegetation type is an important source of food, including breadfruit and coconuts, for the Pohnpeians.

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INTRODUCTION

Pohnpei is the major island in the Pohnpei Island group in the Federated States of Micronesia, eastern Caroline Islands. It is heavily forested, and knowledge of the soils and extent and composition of the vegetation is needed for land-use planning. To fill these needs, a formal agreement was drawn up between the High Commissioner of the Trust Territory of the Pacific Islands and two agencies of the U.S. Department of Agriculture—the Soil Conservation Service and the Forest Service. Eleven vegetation maps of Pohnpei are the product of the study mandated by this agreement. These maps, prepared by the Forest Service in cooperation with the Government of Pohnpei, are intended to serve as a working tool for planning and forest resource management and to provide a basis for timber volume surveys.

This bulletin describes the different vegetation types, their ecological function, and uses, and includes the vegetation maps.

GEOGRAPHY AND CLIMATE

Pohnpei is a high volcanic island located near the eastern end of the Caroline Island group in the Pacific Ocean (lat. 6°54′ N., long. 158°14′ E.) *(fig. 1)*. It lies about 660 km (415 statute mi) north of the equator and about 4983 km (3115 statute mi) southwest of Hawaii. The island is roughly circular and has a diameter of about 23 km (14 statute mi), with a total area of about 35,500 ha (87,693 acres). In 1985, the population of Pohnpei was about 29,000.

The island is steep, mountainous, and heavily forested in the interior. Eleven peaks rise more than 600 m (1970 ft) above sea level, and Mount Nahnalaud is about 800 m (2625 ft) above sea level. About 60 percent of the island is mountainous and 20 percent is characterized by rolling hills and plateaus. The remaining areas are coastal bottom lands (5 pct) and mangrove swamps (16 pct). More than 33 percent of the island supports food-tree crops and another 56 percent is forested *(figs. 2 and 3)*.

Pohnpei is hot and humid. The mean annual temperature in Kolonia—the capital—is 27 °C (81 °F). Temperatures vary little from month to month. The mean annual rainfall is 4820 mm (190 in), but January and February are slightly drier than average.

Although Pohnpei lies outside the main paths of severe tropical disturbances and typhoons, such storms occasionally hit the island, damaging crops, trees, and dwellings. The most destructive typhoon in recent years struck Pohnpei in 1905, when all coconut plantations were destroyed and most buildings damaged.

SURVEY METHODS

Pohnpei's vegetation types were identified and delineated on black and white photographs taken in 1975 at a nominal scale of 1:8,000. Since 1975, many natural forest areas have been converted to agroforest by the planting of breadfruit, coconut, mango, banana, and other food crops. Although it was not possible to update the map to account for this land-use conversion, its impact has been estimated from ground sampling. The area figures were adjusted to reflect the substantial land-use changes that have occurred since 1975 *(table 1)*, the year the aerial photography was completed.

Vegetation differences can often be recognized by examining photographs stereoscopically for differences in tone, texture, and image patterns. In some cases, individual plants may be recognized by their distinctive shape. Thus, after comparing photoimagery with ground conditions in the field, a skilled interpreter can become fairly proficient at recognizing vegetative types on aerial photos. Overall accuracy will depend on the scale, age, and quality of the photographs; the skill of the interpreter; degree to which the types differ in image characteristics; and the amount of ground checking by the interpreter.

Before mapping could begin, a vegetative classification scheme was needed. Because much of the island is inaccessible by road and funds were limited, vegetation types were restricted to those that could be recognized on the photos without intensive ground checking. In addition, type characteristics were limited to those useful to foresters and land-use planners.

After considerable field reconnaissance, the classification scheme presented in this paper was adopted. Types were delineated on the photos after stereoscopic examination and ground checking along roads and trails. Then the photos were edited and sent to the Engineering Geometronics Section of the Forest Service's Pacific Southwest Regional Office, for transfer to base maps and measurement of type area *(tables 1 and 2)*.

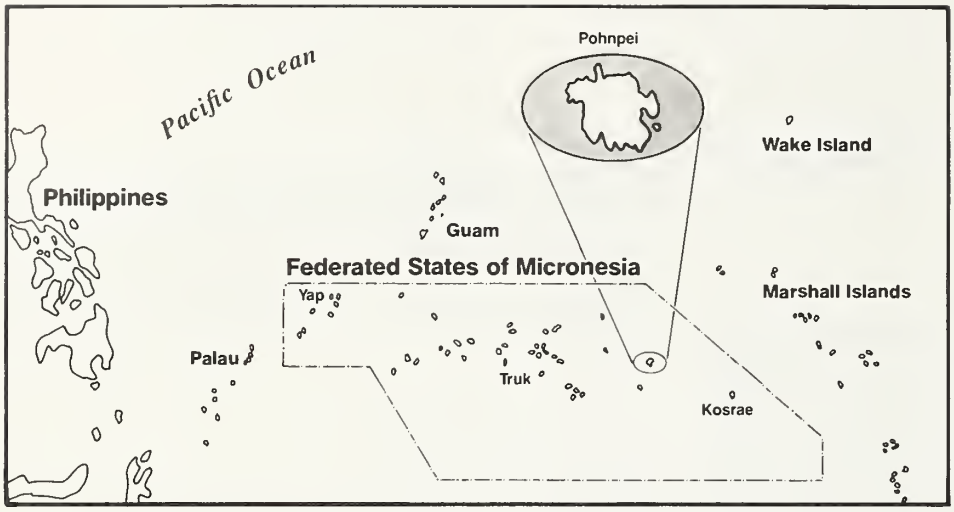

Figure 1—The island of Pohnpei, Federated States of Micronesia, is located near the eastern end of the Caroline Island group.

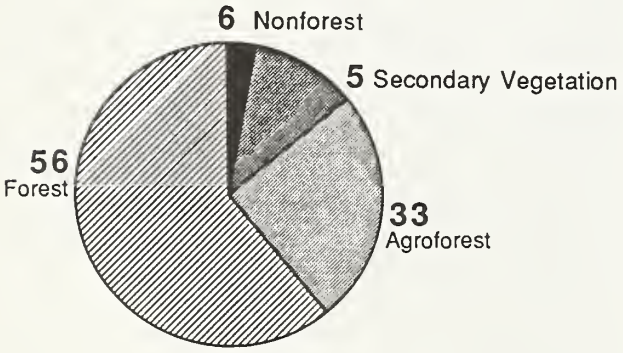

Figure 2—Percentage of areas in land classes in Pohnpei State, Federated States of Micronesia, as adjusted in 1983.

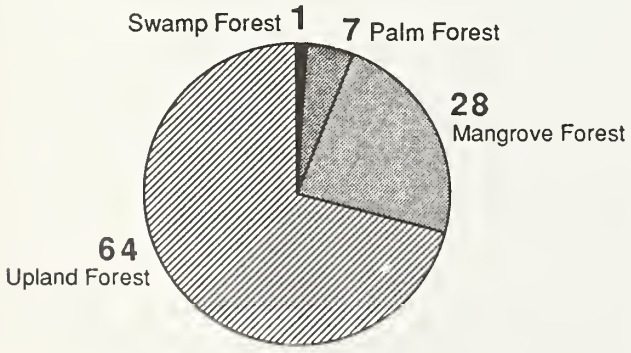

Figure 3—Percentage of approximate areas in the forest class, by adjusted vegetation type, Pohnpei State, Federated States of Micronesia, in 1983. The three types not shown (atoll, plantation, and dwarf forest) together make up less than 0.1 percent of the forest class.

Table 1—*Area of Pohnpei by land class and type, 1983*

Land class and type	Symbol	Area		
		Initial	Adjusted[1]	
		—Hectares (acres)—		
Forest:				
Upland forest	UP	17,096	12,548	
Palm forest	PO	1,729	1,383	
Swamp forest	SW	426	214	
Mangrove forest	MN	5,525	5,525	
Atoll forest	AT	6	6	
Plantation forest	PF	6	6	
Dwarf forest	DF	1	1	
Total forest		24,789	19,683	(48,637)
Secondary Vegetation:	SV	2,766	1,843	(4,554)
Agroforest:				
Agroforest	AG	946	1,945	
Agroforest w/coconuts	AG.CO	4,766	9,796	
Coconut plantation	CO	124	124	
Total agroforest		5,836	11,865	(29,318)
Nonforest:				
Marsh, freshwater	M.F	149		
Marsh, saline	M.S	29		
Grasslands	G	1,476		
Cropland	C	79		
Urban	U	180		
Urban with Agric.	U/AG	62		
Barren	B	2		
Water	W	125		
Total nonforest		2,102	(5,194)	
Total area		35,493	(87,703)	

[1]Adjusted by the proportion of field plots that were mapped as forest or secondary vegetation, but found to be agroforest in 1983.

Table 2—*Area of forest land by size and density classes, Pohnpei, 1983*

Type	Size class[2]	Density class[1] Low	Medium	High	Total[3]	
		Hectares (acres)				
Upland forest	0	0	0	11	11	(27)
Upland forest	1	478	2,875	4,205	7,558	(18,676)
Upland forest	2	51	722	4,206	4,979	(12,304)
Mangrove	0	0	10	225	235	(581)
Mangrove	1	8	53	3,423	3,484	(8,609)
Mangrove	2	9	66	1,731	1,806	(4,463)
Palm forest	1	0	176	1,207	1,383	(3,417)
Swamp forest	1	2	47	58	107	(264)
Swamp forest	2	2	33	72	107	(264)
Atoll forest	1	0	0	6	6	(15)
Plantation forest	1	0	0	6	6	(15)
Dwarf forest	0	0	0	1	1	(2)
Total forest					19,683	(48,637)

[1]Crown closure of main canopy: Low <30 pct; medium 30-70 pct; high >70 pct.

[2]0—Short, shrub-like trees smaller than 12.5 cm (5 in) in d.b.h.

1—Trees averaging less than 30 cm (12 in) in d.b.h. but 12.5 cm (5 in) or more in d.b.h.

2—Trees averaging 30 cm (12 in) or more in d.b.h.

[3]Areas have been reduced to reflect conversion to agroforest. The adjustment is based on the proportion of field plots mapped as forest on 1975 photos but found to be agroforest in 1983.

TYPE CLASSIFICATIONS

For mapping purposes, the island of Pohnpei was divided into four broad classes: forest, secondary vegetation, agroforest, and nonforest *(fig. 2)*.

Forest—The forest class includes seven types:

Upland (UP)
Palm forest (PO)
Swamp forest (SW)
Mangrove forest (MN)
Atoll forest (AT)
Plantation forest (PF)
Dwarf forest (DF)

Secondary vegetation (SV)—Secondary vegetation includes vines, shrubs, and small trees on recently disturbed areas.

Agroforest (AG)—Areas under cultivation for fruit and other food-crop trees and plants are in the agroforest class.

Coconut plantation (CO)

Nonforest—Nonforest areas including marshes, grasslands, and areas developed for urban use.

Marsh (M)
Grassland or savanna (G)
Cropland (C)
Urban (U)
Barren (B)
Water (W)

Forest types have been further subdivided into size and density classes *(table 2)* identified by these codes:

Code	Size class
0	Short, shrub-like stands smaller than 12.5 cm (5 in) in diameter at breast height (d.b.h.)
1	Trees averaging less than 30 cm (12 in) in d.b.h. but 12.5 cm (5 in) or more in d.b.h.
2	Trees averaging 30 cm (12 in) or more in d.b.h.

Code	Density class
H	High—crown closure of main canopy over 70 percent
M	Medium—crown closure of main canopy between 30 and 70 percent
L	Low—crown closure of main canopy less than 30 percent

On the maps, vegetative areas are numbered and identified by symbols in the legends *(table 3)*. In each symbol the vegetation type is shown first, followed by the size class and density class. For example, MN1H indicates mangrove less than 30 cm (12 in) in d.b.h., with high density. Where possible, dominant species are indicated. In such cases, the density class is followed by a period, then by one or two letters from the genus name, as in MN1H.S when *Sonneratia alba* makes up at least 20 percent of the mangrove stand. Occasionally, two-storied stands were identified, usually with a sparse main canopy and an understory of secondary vegetation. For example, UP2L/SV.H would indicate an overstory composed of scattered trees of upland species overtopping secondary vegetation with a *Hibiscus tiliaceus* component.

Table 3—*Vegetation type codes used for Pohnpei, Federated States of Micronesia, by land class*[1]

Land class	Vegetation codes	Vegetation types, subtypes and components
Forest	UP	Upland forest, various size and density classes apply
	UP/SV	Secondary vegetation understory
	UP/SV.H	*Hibiscus* understory
	UP/SV.V	Vine understory
	UP/SV.H.V	*Hibiscus* and vine understory
	UP/SV.S	Shrub understory
	UP/SV.V.BB	Vine and bamboo understory
	UP.PO	Palm forest component
	UP.PO.I	Ivory nut palm component
	UP.PO/SV	Palm component, with secondary vegetation understory
	UP.PO/SV.H	Palm component, with *Hibiscus* understory
	PO	Palm forest, various size and density classes apply
	PO/SV	Secondary vegetation understory
	PO/SV.H	*Hibiscus* understory
	PO.I	Ivory nut palm component
	PO.UP	Upland forest component
	SW	Swamp forest, various size and density classes apply
	SW/SV	Secondary vegetation understory
	SW/SV.H	*Hibiscus* understory
	SW/MN.N	*Nypa* palm understory
	MN	Mangrove, various size and density classes apply
	MN.N	*Nypa* palm component
	MN.S	*Sonneratia* component
	MN.R	*Rhizophora* component
	MN.X	*Xylocarpus* component
	MN.SW	Swamp forest component
	MN.D	Evidence of disturbance
	MN/SV.S	Shrub understory
	AT	Atoll forest, various size and density classes apply
	PF	Plantation forest, various size and density classes apply
	DF	Dwarf or moss forest, various size and density classes apply
Secondary vegetation	SV	Secondary vegetation, size and density classes do not apply
	SV.BB	Bamboo component
	SV.H	*Hibiscus* component
	SV.V	Vine component
	SV.V.H	Vine and hibiscus components
Agroforest	AG	Agroforest
	AG/SV	Secondary vegetation understory
	AG.CO	Coconut component
	CO	Coconut plantation, various size and density classes apply
Nonforest	M.F	Freshwater marsh
	M.F.C	Freshwater cultivated marsh
	M.F.P	Freshwater *Phragmites* marsh
	M.S	Saline marsh
	G	Grassland
	G.B	Barren component
	G.CA	Abandoned cultivation
	G.D	Disturbed lands
	G.F	Fern component
	G.G	Grass component
	G.P	Pandanus component
	G.S	Shrub component
	C	Open cultivation
	U	Urban land
	U/AG	Agroforest inclusions
	U/C	Cropland inclusions
	U/SV	Secondary vegetation inclusions
	W	Includes fresh, saline, and bays

[1] *NOTES:*

Size classes and density codes are only used in the forest class and with the coconut plantation type.

Various combinations of components are used, especially within the grassland type, as with G.B.F.P or grassland with barren, fern, and pandanus components.

All components, inclusions, or understory species must be present on at least 20 percent of the mapped area.

VEGETATION TYPE DESCRIPTIONS

A detailed description of land classes and primary types is given below. Classes are described by habitat and major overstory and understory species. Scientific names of dicotyledonae follow those by Fosberg and others (1979). Palm nomenclature follows that of Moore and Fosberg (1956). A partial list of Pohnepian plants is presented in *table 4.*

Forest

Upland Forest (UP)

At one time, the uplands of Pohnpei were almost completely covered with native forests. Many of these forests have been converted to agroforest or secondary vegetation, at lower elevations. At higher elevations, however, much of the native forest still remains.

Although the composition of upland forests is quite variable, only the palm species are consistently identifiable on aerial photos. Where these occur in relatively pure stands, they are delineated and identified as palm forest (PO). When palms are only a component in a mixed forest type, it is identified as UP1H.PO. Much of the coastal forest has been converted to agroforest. Many remaining stands are heavily disturbed. In such stands, secondary vegetation typically occurs under a scattered overstory of *Mangifera indica, Albizia falcataria,* and *Adenanthera pavonina*—all introduced species.

Dominant species in the lower elevation native forests include *Campnosperma brevipetiolata* and *Elaeocarpus carolinensis* (Hosokawa 1954). The palm *Exorrhiza ponapensis* is also abundant. Patches of *Parinari laurina* and *Eugenia carolinensis* are common in some areas. Other large trees include *Parkia korom, Palaquium karrak, Myristica insularis, Cinnamomum carolinense, Ficus tinctoria, Barringtonia racemosa, Terminalia carolinensis,* and *Cynometra ramiflora.*

Small trees under 15 m (50 ft) in height include *Pandanus cominsii, Aglaia ponapensis, Pandanus* spp., *Eugenia stelechantha, Ptychosperma* spp., *Glochidion marianum, Claoxylon carolinianum,* and *Discocalyx ponapensis.* The tall herb *Alpinia carolinensis* is also common.

Above 300 m (980 ft), *Parkia korom, Cynometra ramiflora, Ptychosperma* spp. and *Alpinia carolinensis* become less common, and above 450 m (1470 ft) *Parinari laurina, Ficus tinctoria, Myristica insularis,* and *Elaeocarpus carolinensis* begin to disappear. The other listed species can be found up to 600 m (1970 ft) in elevation. Above 600 m, only *Campnosperma* grows to 10 m (30 ft) tall and *Clinostigma* to 12 m (40 ft). Other trees tend to be shorter and stunted. Epiphytes, especially mosses, are abundant. This type intergrades into dwarf forest (DF).

Palm Forest (PO)

Palm forests of pure or nearly pure native palm species are found at higher elevations on Pohnpei. Kochop *(Clinostigma ponapensis)* is the most common species between 450 and 600 m (1470 and 1970 ft) and attains a height of 25 to 30 m (80-100 ft). *Ptychosperma hosinoi* and kattai *(P. ledermanniana)* are also present. At lower elevations, clumps of ivory nut palm *(Metroxylon amicarum)* occur in wet areas.

Swamp Forest (SW)

Swamp forests are found in low-lying fresh water areas inland of the mangroves, in river bottoms, and elsewhere where the water table is high. Species common along rivers inland of mangroves include *Heritiera littoralis* and *Cynometra ramiflora.* The most common trees found on inland boggy areas are *Terminalia carolinensis, Campnosperma brevipetiolata, Pandanus cominsii,* and *Barringtonia racemosa,* in order of decreasing relative size (Hosokawa 1952). *Metroxylon amicarum* is sometimes present as an emergent species but is more commonly seen in patches associated with marsh areas.

Hosokawa (1952) and Stemmerman and Proby (1978) recognized hibiscus swamp as a separate forest type, but this vegetation survey did not. Though *Hibiscus tiliaceus* often grows in swampy places, it is not confined to such habitat and is a common component of secondary vegetation.

Mangrove Forest (MN)

Mangroves consist of trees with roots periodically inundated with sea water. On Pohnpei, mangroves occur along lower portions of rivers and streams and their mouths, and on coastal mud flats and some offshore islets. Where the stands are developed, trees may reach 15 to 30 m (50-100 ft) in height. The mangrove type can be identified on aerial photos by its distinct dark tone and coarse texture. The inland margins of mangroves are sometimes hard to separate from adjacent swamp forests and other types.

Mangroves serve as a natural filtering and nutrient buffering system which settles the silt—providing a slow sustained release of nutrients into the lagoon. Mangroves provide lumber, firewood, and fishing grounds. They also serve as fish nurseries and habitat for birds and fruit bats.

The most common mangrove stand consists of trees of medium size (MN1). A distinctive mangrove type found in Pohnpei is characterized by extensive areas of low, dense growth usually in the interior of large mangrove areas. These areas are especially common where water circulation is limited and the soil is more firm. These stands, called "pidiring" on Pohnpei (Lendvai and Hill 1969), consist mostly of *Rhizophora* with some *Bruguiera* trees—which are too small to be useful for wood products. Such areas are designated MN0 on the maps. Timber volumes in mangrove forests were inventoried in 1984 (Petteys and others 1986).

Sonneratia alba is dominant on the seaward side of the mangrove (Glassman 1952). At the mouths of larger rivers or around bay indentations, *Rhizophora mucronata* and *R. apiculata* may occur as pure stands mixed with *S. alba* and some *Bruguiera gymnorhiza.* On the landward side of man-

Table 4—*Partial list of plant species of Pohnpei*

Genus	Species	Author	Family
Acrostichum	aureum	L.	Pteridaceae
Adenanthera	pavonina	L.	Mimosaceae
Ageratum	conyzoides	L.	Compositae
Aglaia	ponapensis	Kaneh.	Meliaceae
Albizia	falcataria	(L) Fosb.	Mimosaceae
Alpinia	carolinensis	Koidz.	Zingiberaceae
Annona	muricata	L.	Annonaceae
Artocarpus	altilis	(Park) Fosb.	Moraceae
Artocarpus	mariannensis	Trec.	Moraceae
Barringtonia	racemosa	(L) Spreng.	Lecythidaceae
Bruguiera	gymnorhiza	(L) Lam.	Rhizophoraceae
Calophyllum	inophyllum	L.	Guittiferae
Campnosperma	brevipetiolata	Volk.	Anacardiaceae
Canaga	odorata	(Lam.) Hook. f & Thoms.	Annonaceae
Carica	papaya	L.	Caricaceae
Cassia	spp.	L.	Mimosaceae
Casuarina	litorea	L.	Casuarinaceae
Cenchrus	echinatus	L.	Gramineae
Cinnamomum	carolinense	Koidz.	Lauraceae
Citrus	spp.	-	Rutaceae
Claoxylon	carolinianum	Pax & Hoffm.	Euphorbiaceae
Clinostigma	ponapensis	(Becc.) Moore & Fosb.	Palmae
Cocos	nucifera	L.	Palmae
Cordia	subcordata	Lamarck	Boraginaceae
Cynometra	ramiflora	L.	Caesalpiniaceae
Cyperus	javanicus	Houtt.	Cyperaceae
Derris	trifoliata	Lour.	Fabaceae
Desmodium	heterocarpon	(L.) DC.	Fabaceae
Desmodium	var. strigosum	V. Meeuwen	Fabaceae
Dioscorea	spp.	-	Dioscoreaceae
Discocalyx	ponapensis	Mez	Myrsinaceae
Echinochloa	colonum	(L.) Link	Gramineae
Elaeocarpus	carolinensis	Koidz.	Tiliaceae
Eleocharis	geniculata	(L.) Roemr & Schultes	Cyperaceae
Elephantopus	mollis	Hbk.	Compositae
Eleusine	indica	(L.) Gaertn.	Gramineae
Eragrostis	amabilis	(L.) Wight & Arn. ex Hook.	Gramineae
Eugenia	carolinensis	Koidz.	Myrtaceae
Eugenia	stelechantha	(Diels) Kaneh.	Myrtaceae
Ficus	tinctoria	Forst. F.	Moraceae
Fimbristylis	cymosa	R.Br.	Cyperaceae
Fragraea	berteriana	(Gilg & Bened.) Fosb.	Gentianaceae
Gleichenia	linearis	(Burm.F.) C.B.Cl.	Gleicheniaceae
Gleichenia	weatherbyi	Fosb.	Gleicheniaceae
Glochidion	marianum	Muell.-Arg.	Euphorbiaceae
Guettarda	speciosa	L.	Rubiaceae

(continued)

groves, the species mix may include *Lumnitzera littorea* and *Xylocarpus granatum.* Where estuaries become river-like, *Rhizophora* drops out, *Sonneratia* remains common, and *Bruguiera, Xylocarpus,* and *Lumnitzera* become more common. *Heritiera littoralis* is common along the landward side of mangroves and upstream.

Stands of *Nypa fruticans* occur along the lower portions and mouths of some rivers. In some regions vegetation typing systems include a *Nypa* swamp type. In Micronesia, however, this species generally does not occur in areas wide enough to be delineated. Where it makes up at least 20 percent of the canopy of a type island, its presence is indicated by the letter N, as the second N in MN1H.N *(table 3).*

Atoll Forest (AT)

Atoll forest is an association of species generally occurring toward the interior of larger and wetter uninhabited atolls and just inland of the strand on sandy or rocky coasts of low and high islands. Species commonly found in atoll forests include an outer fringe of shrubby *Scaevola taccada, Tournefortia argentea, Sophora tomentosa,* and on rocky substrate *Pemphis acidula. Tournefortia* and *Pemphis* may grow into well-formed small trees. Tall *Casuarina litorea* trees may be present especially along the leeward shore. Other tree species include *Calophyllum inophyllum, Cordia subcordata, Hernandia sonora, Guettarda speciosa, Pandanus* spp.,

Table 4—*Partial list of plant species of Pohnpei (continued)*

Genus	Species	Author	Family
Heritiera	littoralis	Dry.	Sterculiaceae
Hernandia	sonora	L.	Hernandiaceae
Hibiscus	tiliaceus	L.	Malvaceae
Ipomoea	mauritiana	Jacq.	Convolvulaceae
Ipomoea	pes-caprae	(L.) V.Ooststr.	Convolvulaceae
Ischaemum	chordatum	(Trin.) Hack. RX Warb.	Gramineae
Lippia	nodiflora	(L.) Rich.	Verbenaceae
Lumnitzera	littorea	(Jack) Voigt	Combretaceae
Mangifera	indica	L.	Anacardiaceae
Merremia	peltata	(L.) Merr.	Convolvulaceae
Metroxylon	amicarum	(Wendl.) Becc.	Palmae
Mimosa	pudica	L.	Mimosaceae
Morinda	citrifolia	L.	Rubiaceae
Musa	spp.	-	Musaceae
Myristica	insularis	Kaneh.	Myristicaceae
Nypa	fruticans	Wurmb	Palmae
Palaquium	karrak	Kaneh.	Sapotaceae
Pandanus	cominsii	Hemsl.	Pandanaceae
Pangium	edule	Reinw. ex Bl.	Flacourtiaceae
Parinari	laurina	Gray	Chrysobalanaceae
Parkia	korom	Kaneh.	Mimosaceae
Paspalum	distichum	L.	Gramineae
Passiflora	foetida	(DC.) Killip	Passifloraceae
Pemphis	acidula	Forst. F.	Lythraceae
Phragmites	karka	(Retz.) Trin. ex Steud.	Gramineae
Piper	methysticum	Forst. F.	Piperaceae
Piper	ponapense	C.DC.	Piperaceae
Pisonia	grandis	R. Brown	Nyctaginaceae
Premna	obtusifolia	R. Brown	Verbenaceae
Pterocarpus	indicus	Willd.	Fabaceae
Ptychosperma	hosinoi	(Kaneh.) Moore & Fosb.	Palmae
Ptychosperma	ledermanniana	(Becc.) Moore & Fosb.	Palmae
Rhizophora	apiculata	Bl.	Rhizophoraceae
Rhizophora	mucronata	Lam.	Rhizophoraceae
Saccharum	officinarum	L.	Gramineae
Scaevola	taccada	(Gaert.) Rox.	Goodeniaceae
Sonneratia	alba	J.E. Smith	Sonneratiaceae
Sophora	tomentosa	L.	Papilionatae
Stachytarpheta	jamaicensis	(L.) Vahl	Verbenaceae
Terminalia	carolinensis	Kaneh.	Combretaceae
Terminalia	catappa	L.	Combretaceae
Tournefortia	argentea	(L.F.) Johnston	Boraginaceae
Vernonia	cinerea	(L.) Less	Compositae
Vigna	marina	(Burm.) Merr.	Fabaceae
Wollastonia	biflora	(L.) DC.	Compositae
Xylocarpus	granatum	Koen.	Meliaceae

Pisonia grandis, Terminalia catappa, Morinda citrifolia, Hibiscus tiliaceus, Ficus spp., and *Premna obtusifolia.*

Plantation Forest (PF)

Plantation forests are stands planted for commercial forest production and erosion control. The type is limited to small species introduction trials near forestry stations and to two narra *(Pterocarpus indicus)* plantations established during the Japanese era (1914-1945).

Dwarf Forest (DF)

Moss forest (typed as dwarf forest for this survey) occurs along Pohnpei's highest ridges. Total area, however, is small. Only 1 ha (2.5 acres) of this type was identified in the survey *(tables 1 and 2).*

Secondary Vegetation

Areas of secondary vegetation are covered with a tangle of fast-growing vines, shrubs, and small trees. Some areas of secondary vegetation may represent a successional stage following disturbance of natural forest. Quite often, areas of secondary vegetation are Micronesian gardens in a fallow phase. On Pohnpei, *Hibiscus tiliaceus* usually predominates and often forms almost pure stands. This short scrubby tree

grows in a wide variety of locations from swamps to hillsides. It is a common invader on abandoned agricultural sites. In some areas, especially along roads, a variety of other species may be found.

Agroforest

Agroforests were created by Micronesians, with some assistance in seed dispersal from fruit bats and birds. Agroforests include a mixture of fruit and other useful trees and vegetable crops, generally established near villages. Scattered coconut trees and breadfruit trees are an indicator of agroforest. The canopy is often uneven and may be interspersed with open areas of taro patches, small open canopy gardens, and areas of secondary vegetation—all too small to be delineated as separate types.

The area of agroforest in Pohnpei has greatly increased in recent years—in response to a rapidly increasing population. A recent ground survey identified over 11,000 ha of this type—about double that mapped on the 1975 photos. The agroforest type accounts for about one-third of the land area of Pohnpei *(fig. 2).*

Agroforests that contain more than 20 percent coconut *(Cocos nucifera)* trees are designated as AG.CO. Other common species include breadfruit (*Artocarpus* spp.), mango *(Mangifera indica),* bananas (*Musa* spp.), and sometimes false durien *(Pangium edule).* The understory commonly includes *Cananga odorata, Citrus* spp., sei *(Annona muricata),* mamiap *(Carica papaya),* patches of yams (*Dioscorea* spp.), saku *(Piper methysticum),* sugarcane, pineapple, and a number of ornamentals. The native pwur *(Fragraea berteriana* var. *sair)* with its fragrant flowers often grows around homesteads.

Agricultural activities on Pohnpei are not confined to agroforest areas. Small scattered yam (*Dioscorea* spp.) patches and plots of *Piper methysticum* are often cultivated underneath the forest canopy. Such areas are not visible on aerial photographs, and—in any case—are too small to map.

Coconut Plantation (CO)

Dense groves of coconut trees that were originally planted for commercial reasons are designated as CO. A distinctive feature of this type is the geometric planting pattern of the groves.

Nonforest

Marsh (M)

Areas dominated by grasses, sedges, and herbs that grow in standing water most of the year are classified as marshes. Types of marshes include saline and freshwater.

Marsh, saline (M.S)—Areas generally along the coast or adjacent to mangroves and periodically inundated by saltwater, are classified as saline marshes. Common herbaceous species include *Cyperus javanicus, Derris trifoliata* (at the edge of mangroves especially), *Eleocharis geniculata, Fimbristylis cymosa, Ipomoea pes-caprae* ssp. *brasiliensis, Lippia nodiflora, Paspalum distichum, Vigna marina,* and *Wollastonia biflora.* A number of woody species characteristic of strand, swamp forest, and mangrove may surround marshes or be sparsely scattered in the marshes.

Marsh, freshwater (M.F)—Marshes just slightly above sea level and surrounded by mangrove (Stemmerman and Proby 1978); or in depressions in upland areas. The vegetation in these areas may be:

- Short sedges, mixtures of sedges and other low herbaceous growth, or mixtures of sedges and taller herbaceous growth; and where water is somewhat brackish, *Acrostichum aureum*
- Tall reeds, usually *Phragmites karka* (designated M.F.P)
- Cultivated marshes, usually taro patches (designated M.F.C).

Grassland (G)

Grasslands or "savanna" are areas with a single layer of low herbaceous cover. Shrubs and trees, if present, are widely scattered. The soils are generally infertile and poorly drained clays.

Grasslands are thought to be the result of destruction of the forest vegetation, particularly by fire, which removed the humus layer and exposed the soil to rain and sun. As frequent fires degrade the soil, tree species gradually disappear.

Seven subtypes of grasslands have been delineated:

- Areas of patchy herbaceous growth—generally low grasses and sedges—on barren, degraded sites. Patches of bare soil are common (designated G.B).
- Areas in which predominant cover is a tangled mat of *Gleichenia* fern (designated G.F). Such areas are subject to frequent burning and the soils are generally heavy infertile clays. On Pohnpei, this type replaces the mix of native and introduced shrubs, *Pandanus* spp., and herbaceous vegetation that are characteristic of savanna in the western Caroline Islands. At higher elevations, *G. weatherbyi* forms almost impenetrable patches. At lower elevations, especially near Palikir, where fires are more common, the cover consisting of *G. linearis* is thinner and soil more degraded.
- Grasslands with a mixture of graminoid species and shrubs (designated G.S). The species present may be specific to savanna grasslands.
- Grasslands once under cultivation (designated G.CA). Where soils are not so degraded, as they are in areas abandoned after cultivation, a number of herbaceous weedy species may be found. On Pohnpei, the list of weeds include *Ischaemum chordatum* (sometimes forming pure dense cover), *Cassia* spp., *Mimosa pudica, Passiflora foetida, Ipomoea mauritiana, Merrenia peltata, Piper ponapense, Stachytarpheta, jamaicensis, Elephantopus mollis, Ageratum conyzoides, Vernonia cinerea, Desmodium heterocarpon* var. *strigosum, Eragrostis amabilis, Cenchrus echinatus, Eleusine indica, Paspalum distichum,* and *Echinochloa colonum.*

- Open areas with predominantly grass or grass-like ground cover (designated G.G).
- Grasslands with a mixture of graminoid species and *Pandanus* spp. (designated G.P).
- Areas that bear signs of having been disturbed by recent human activity such as bulldozing. Generally, these areas will remain degraded grasslands, due to the loss of the humus layer (designated G.D).

Cropland (C)

Cultivated land with no tree cover. Most garden areas, however, are too small to delineate and are included with other land classes such as agroforest or secondary vegetation.

Urban (U)

Towns, villages, and areas developed for nonforest, nonagricultural use. Where features such as buildings and roads are interspersed with vegetation, the area may be classed as Urban/Secondary vegetation (U/SV), Urban/Agroforest land (U/AG), or Urban/Cropland (U/C).

Barren (B)

Areas such as rock or sterile soil that lack natural vegetation, are delineated as barren.

Water (W)

Includes both fresh and brackish water.

GLOSSARY

Agroforest: Land where planted fruit trees and other agricultural plants are cultured among forest trees.

D.b.h.: Diameter at breast height. Tree diameter outside bark measured at breast height, 1.3 m above the ground.

Forest land: Land at least 10 percent stocked by live trees or land formerly having such tree cover and not currently developed for nonforest use.

Land area: Land area includes dry land and land temporarily or partially covered by water, such as marshes, swamps, and river flood plains; streams or sloughs.

Land class: A classification of land by major use or major vegetative characteristics; i.e., forest, secondary vegetation, agroforest, and nonforest.

Nonforest land: Land that has never supported forests or was formerly forested and is currently developed for nonforest use.

Secondary vegetation: A vegetation type characterized by small, fast-growing trees and vines, usually weedy invaders.

Vegetation type: An area delineated on the maps as having similar plant composition to one of the types described in the section on type classification.

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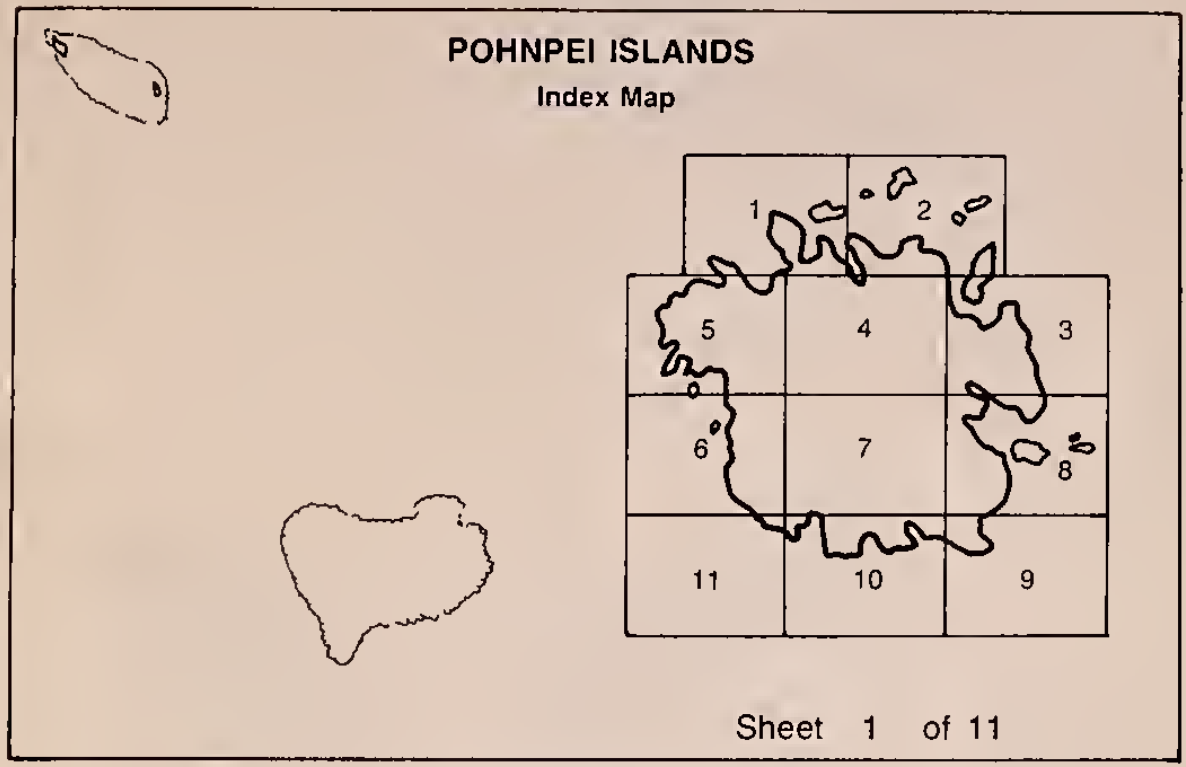

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)
3	AG CO	3.6
4	MN1H/SV.S	1.2
5	MN1H	23.5
6	MN1H	5.3
8	MN2H	2.4
9	MN2H	1.2
10	MN1M	3.2
11	U	33.6
14	G.G	6.1
15	G.G	7.3
16	MN1H	19.8
17	W	4
18	MN2H	23.5
19	MN1L	2.0
20	MN1H	3.2
21	AG.CO	3.6
22	MN1M	2.4
23	MN2H	13.4
24	MN1M	14.2
25	MN1H	55.4
26	SV.V.H	1.6
28	MN1H	2.4
29	U	8.5
30	AG CO	58.3
31	MN1H	2.0
33	UP1L/SV.V BB	4.9
35	MN1H	4
36	MN1H	4
37	SV.V H	.8
39	U	1.2
40	MN1H	4
41	MN2H	5.7
42	UP1H	2.8
43	SV	2.0
45	MN2H	3.2
46	UP1M/SV H	3.6
47	UP1H	9.7
48	MN1H	1.2
50	SV.H	.8
51	MN2H.S	5.3
52	SV.V	1.2
53	SV.V	1.2
54	MN1L.O	8
55	MN1H	8
56	AG CO	31.2
57	MN2H	1.2
58	UP1M/SV	8
59	SV.V	4
60	MN2H	17.0
61	B	4
62	SV V	3.6
63	MN2M	2.8
64	UP1H	10.9
65	SV V H	32.0
66	UP1M/SV	2.0
67	SV.V	3.6
69	MN1H	3.6
70	AG CO	74.1
71	UP1H	1.2
72	MN1H	.8
73	AG CO	4
75	MN2H S	2.4
76	U	8
77	SV V	1.2
78	UP1L/SV H	4.5
79	MN1L	2.4
80	UP1H	1.2
81	U/AG	41.3
82	SV V H	4.5
84	MN1H	1.6
85	SV	1.2
86	UP1M/SV.H	5.3
87	MN2H.S	1.2
88	U	1.2
89	MN1H	4
90	MN1H	4
91	AG	8
92	UP1H	1.6
93	MN1H	1.2
95	G S	2.8
96	AG	4
97	U	1.2
98	G G	4
100	W	4
101	UP1H	3.6
102	AG CO	8
103	MN2H	7.7
104	AG CO	1.2
105	MN1M	4
106	MN1H	6.5
107	MN2M	8
108	U	8
109	AG CO	3.2
110	U	23.9
111	UP1H	1.2
113	U	8
114	AG.CO	104.8
115	G.O	4
116	G F S	4
117	SV.V H	21.4
118	U	4
119	UP1H	3.2
120	SV.V	4
122	MN1H	6.9
123	U	1.2
125	SV H	8
126	MN1H	4
127	SV H	2.8
128	MN1H	8
129	AG CO	41
130	SW1L/SV	2.4
131	AG.CO	39.3
132	SW1H	2.0
133	U	4
134	MN2H	3.2
136	U	4
137	U	1.6
138	UP1M/SV H	9.3
139	MN2H	56.3
140	AG	1.2
141	AG	1.2
142	MN1H	6.1
143	C	4
144	SW2H	15.4
145	U	13.8
146	U	4
147	UP1H	1.2
148	UP1M/SV H	1.2
149	UP1M	3.6
150	SV V	4
151	MN1H	2.8
152	AG	4.5
153	AG.CO	12.5
155	UP1L/SV	4
156	U/C	10.1
157	AG CO	58.7
158	U/C	9.3
160	G F	8
161	MN1H	4
162	SV	4
163	UP1H	20.6
164	MN1H	2.8
165	SV	.4
166	AG.CO	3.6
167	SV	4
168	AG	8.1
169	MN1H	4
170	MN1H	4

ITEM	LABEL	AREA (HECTARES)
172	MN1H	4
173	MN1H	.4
174	SV.H	1.2
175	U	4
176	UP1L/SV.H	4.5
177	U	2.0
178	MN1H	4
179	SV	8
180	AG	.4
181	MN1H	1.6
182	MN1H	2.4
183	UP1H	.8
184	SV.H	1.6
185	U/SV	1.2
186	SV	.4
187	SV.H	1.6
188	SV	4
189	UP2L/SV.H	7.7
190	UP1H	8
191	G S	3.6
193	W	4
194	G.G	2.4
195	AG CO	10.9
196	MN2H	2.0
197	AG	8.1
198	MN1H	4
199	MN1L.O	4
200	UP1H	4.0
201	UP2L/SV.H	4
203	SV.V	4
204	U	4
205	G.S	1.6
206	PF1H	4
207	AG.CO/SV	1.2
208	U	4
210	MN1H	4
211	MN2H	8
212	UP2H	4.0
213	AG	1.6
214	U	4
215	G.S	41.3
216	MN1H	4
217	U	4
218	SV	4
219	U	4
220	MN2H	4.5
221	U	3.6
222	SV	4
223	AG	6.5
224	C	3.6
225	AG	8.9
226	MN1H	4
227	G.S	3.2
228	G F	8
229	G G	4
230	U/AG	2.0
231	SV	8
232	G.F	4
233	MN1H	9.3
234	AG CO	2.8
235	C	4.0
236	UP1H	4
237	UP1L/SV H	3.2
238	U	4.5
239	U	4
240	SV.V H	.4
241	SV V	3.6
242	AG	4
243	MN1M	8
244	C	1.2
245	C	1.6
246	SV.V	2.4
247	SV.V	4
248	SV.V	2.0
249	UP1H	1.2
250	G.G	2.0
252	U	2.0
253	UP1H	8
254	SV.H	3.2
255	AG	4
256	SV	.4
257	G.S	8
258	UP1H	4
259	UP2H/SV.H	3.6
260	UP1M/SV.H	4.5
261	SV	24.7
262	G.S	8
263	AG CO	2.4
264	MN1H	1.2
265	G.G	4
266	U	4
268	MN2H	4
270	UP1M/SV	4
271	UP1H	4
272	UP2H	1.2
273	AG CO	1.2
274	AG.CO	4
275	MN1H	69.6
276	UP1H	4
277	AG.CO	4.5
278	MN2H	8
279	G CA F	4
280	SV	.4
281	MN1H	4
282	AG CO	.8
283	MN1H R	10.5
284	UP1H	4
285	G F	1.2
286	C	4
287	G G	1.2
288	C	4
289	AG CO	4
290	MN1H	6.1
291	G F S	.8
292	AG CO	4
293	G.S	4
294	G G	4
295	C	8
296	MN2H	4
298	G CA F	49.4
299	SV	6.5
300	AG CO	2.8
301	UP1H	18.6
302	G.F S	1.6
303	UP2H	1.2
305	U	8
306	SV	8
307	AG CO	4.0
309	MN1H	1.6
311	U	10.1
312	AG CO	6.5
313	AG CO	2.0
314	MN1H	16.6
315	U	1.6
317	SW1H	1.6
318	MN1H	4.5
319	M F P	2.4
320	AG.CO	10.1
321	MN2H	1.2
323	SV H	1.2
324	AG	2.8
325	G.S	8
326	AG	1.2
327	G.G	4
328	G.CA.F	1.2
329	C	4
330	AG.CO	3.2
331	M F P	1.2

ITEM	LABEL	AREA (HECTARES)
332	SV	6.9
333	MN0H R	4
334	MN1H	27.6
335	SV	4
336	SV	4
337	G G	4
338	G.G	.8
341	AG CO	9.7
342	AG.CO	3.2
343	AG CO	6.9
345	AG CO	1.2
346	UP1L/SV.H	12.5
347	C	4
348	C	3.6
349	G G	2.0
350	UP2H	1.2
351	SV	4
352	SV	.4
353	U	1.2
354	MN1H	3.6
355	AG CO	2.8
356	AG.CO	4
357	G F S	2.8
358	UP1H	4.0
359	UP1M/SV	2.4
360	UP1L/SV.H	11.7
362	SV	2.0
363	SV	2.4
364	SV	1.2
365	MN1H	4
366	AG.CO	2.8
367	G F S	8
369	AG	4
370	SV V	.8
372	SV	4.9
373	SV H	4.0
374	MN1M	1.2
375	AG CO	8
376	G B	1.2
377	G G	4
378	C	1.2
379	UP1H	6.5
380	AG	8
381	SV H	2.0
382	U	4
383	AG	1.6
384	G G	2.0
385	G G	4
386	UP1L/SV H	14.2
388	AG.CO	4
389	AG	8
390	SV V	4
391	G G	4
394	AG	6.9
395	G G	4.9
396	U	1.2
397	SV.H	3.2
398	UP1H	2.0
399	UP1L/SV H	6.5
400	UP1H	4
401	G G	4
402	U	4
404	G F	5.7
406	SV H	8
407	G G	4
408	AG	2.8
409	UP1L/SV H	8.5
410	SW1H	2.4
411	AG CO	2.0
412	UP1H	4
413	AG.CO	4
414	MN1H	11.3
415	AG CO	4
416	PO2H	4
417	MN0M R	5.3
418	C	2.8
419	SV H	8
420	AG CO	2.0
421	AG CO	2.8
422	G S	1.6
423	U	4
424	U	1.2
425	G S	8
426	G F	5.7
428	U	4
429	UP1M/SV H	4.9
430	UP1L/SV	2.0
431	UP1L/SV H	2.4
432	SV	1.2
433	AG	8
436	SV	8
437	SV	8
438	AG	4
439	AG	1.2
440	G G	8
441	G G	4
443	UP1H	4
444	G G	4
445	UP1M	1.2
446	MN1H	2.4
447	SV	4
448	C	4
449	SW1M/MN.N	1.2
450	UP1H	4
451	M.F.P	4
452	AG	4
453	AG	8
454	G F	4
455	AG CO	1.2
456	SW1H	4
457	M.F.P	8
458	MN2H	4
459	G G	4
500	MN1H	4
501	U	4.0
502	B	2.0
503	UP1L/SV H	3.2
504	AG CO	1.6
505	SV	3.2
506	UP1H	1.6
507	UP1H	1.6
508	PO1H.I	4

1:20,000

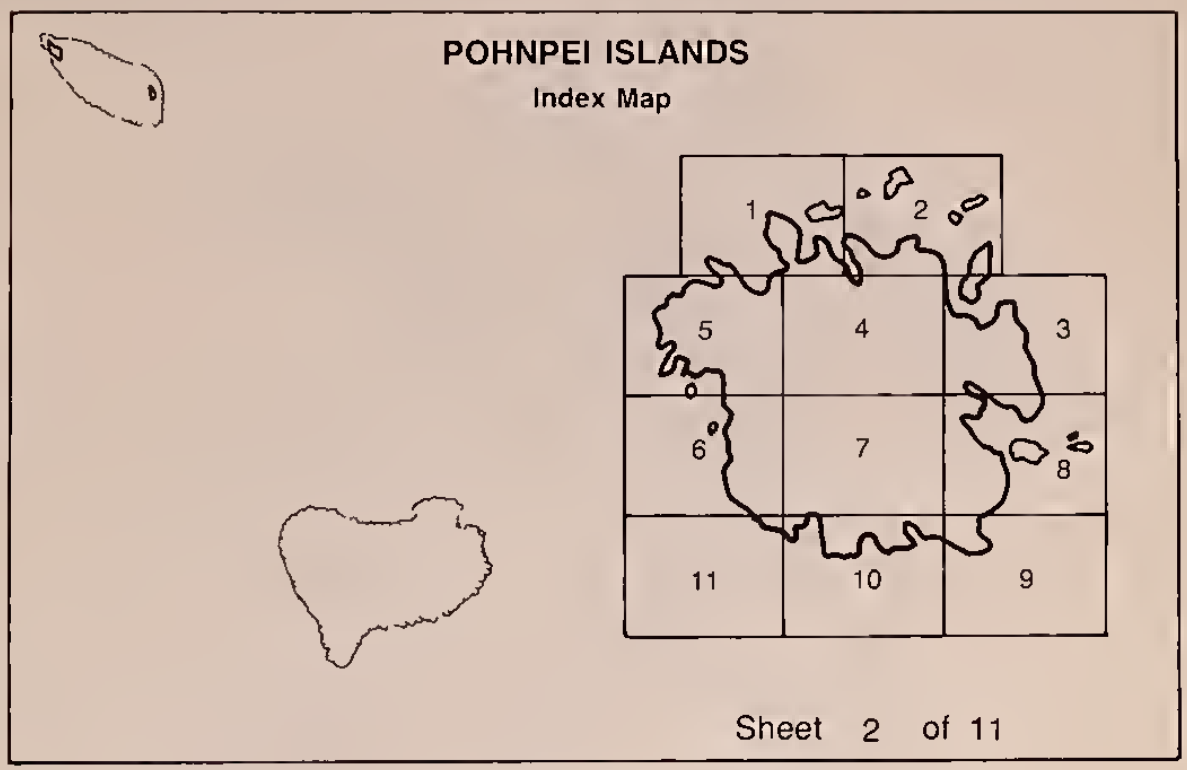
CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section; 1987.

POHNPEI



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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
4	AG CO	71.2	155	MN1H	2.0
5	MN1H	4.0	156	U	.4
6	MN2H	1.6	157	UP1H	.8
7	UP2H	.8	158	MN1H	.4
8	MN2H	3.2	159	C	.4
9	MN2H	3.2	160	UP1H	.4
10	MN2H	5.7	161	SV	1.6
12	MN0H	18.2	162	UP1H	2.0
13	MN2H	.8	163	UP1L/SV	2.8
14	MN2H	4.0	164	UP1L/SV.H	34.8
15	UP1H	1.2	165	MN1M	7.3
16	UP1H	4.0	166	AG	6.1
17	SV.V	.8	168	SV	.8
18	MN2H	1.2	169	MN2H S	1.6
19	MN1H	6.5	170	SV.V.H	21.9
20	SV.H	.4	172	SV.V.H	14.2
21	MN2H	16.6	173	G F	.4
22	MN0H	2.8	174	UP1H	2.0
23	SV	.8	175	UP1L/SV.H	6.5
24	UP1H	2.0	176	SV.V.H	1.6
25	U	.4	177	UP1H	1.2
26	UP1H	3.6	178	UP1H	.4
27	SV	.8	179	UP2H	53.6
28	SV	6.1	180	UP1L/SV	1.2
29	MN1H	2.0	181	U	.4
30	U	1.6	182	MN1H	.8
31	AG CO	14.2	183	MN1M	.8
32	UP1H	.4	184	MN2H	25.1
33	SV.V.H	4.9	185	UP1H	11.7
34	AG CO	1.2	186	MN1H	.4
35	AG CO	.4	188	MN1H	2.4
36	MN1H	2.8	189	MN1H	2.4
37	AG CO	.8	190	W	.4
39	UP1H	2.4	191	AG CO	2.8
40	MN2H	1.2	192	SV	.4
41	G G	.4	193	UP2H	1.6
42	MN2H	1.6	194	MN0M R	2.4
43	AG CO	.4	195	MN1M	7.7
45	MN1H	3.2	196	G S	.8
46	AG CO	1.6	197	SW1M/SV	2.4
47	UP1H	3.6	198	AG CO	.8
48	MN1H	6.5	199	AG CO	2.8
49	SV.V.H	2.8	200	SV.H	.8
50	G G	.8	202	SV.H	1.2
51	MN1H	.4	203	UP1H	5.3
52	SV.H	1.2	205	SV	4.0
53	AG CO	.8	206	UP1L/SV	3.2
54	MN1H	.4	208	MN1H	.4
56	AG CO	5.3	209	UP1H	2.8
57	SV	.4	210	MN0H	.4
58	MN1H	.4	211	U	.8
59	MN1H	.8	212	G F S	1.2
60	MN2H	5.3	213	C	.9
61	MN1H	3.6	214	SV	1.2
62	W	.4	216	SV	.4
63	MN2H	8.1	217	G F	1.2
64	W	.4	218	G F	.8
65	MN1H	1.2	219	AG	2.8
66	AG CO	.4	220	SV	2.0
67	SV	.4	221	MN1H	.4
68	AG CO	43.7	222	AG	1.2
69	SV.H	4.0	223	SV	8.5
70	MN1H	1.6	224	AG	4.5
72	MN1H	.4	225	W	8.1
73	SV.V	1.2	226	AG CO	.8
75	MN1H	.8	227	AG	.4
76	MN1H	18.2	228	U	.4
77	UP1M/SV	.8	229	SV	1.2
79	G F	.4	230	MN1H	1.6
79	MN1H	.4	231	MN1H	.8
80	SV	3.2	232	G F	.8
81	MN1H	.4	233	C	.4
82	MN1H	.4	234	MN2H	17.0
83	UP1H	1.2	235	G G	26.7
84	MN1H	1.2	236	G G	.8
85	MN1H	.4	237	MN0H R	4.5
86	MN1H	.8	238	UP1M/SV H	11.7
88	MN1H	2.4	239	MN1H	2.8
89	AG CO	.8	240	AG	3.6
90	MN1M	.8	241	W	.4
91	MN1H	11.7	242	UP2H	7.3
92	MN2H	4.9	243	UP1L/SV V H	5.9
93	AG CO	2.8	244	UP1H	2.4
94	AG CO	33.6	245	SV	.4
95	MN1H	5.9	246	AG	28.7
96	MN1H	.4	247	MN1H	2.7
97	SV	.8	248	MN0H	3.6
98	MN1H	.8	249	MN1H	.8
99	MN1H	.8	250	AG	10.9
101	MN1H	2.4	251	G F	.8
102	MN1H	.4	252	SW1L/SV	1.6
103	MN1H	3.6	253	SV.V.H	4.5
104	MN2H	6.1	254	U	.4
105	MN1H	1.6	255	SV.H	4.0
107	MN2H	5.7	256	UP1H	3.2
108	AG CO	370.7	257	MN2H S	6.1
110	G G	.4	258	MN1H	5.3
111	MN1H	1.6	259	MN2H S	3.2
112	MN1H	.8	260	SV	4.0
113	SV	.4	261	PQ1M UP	4.5
115	SV	5.1	262	MN1H	2.4
116	C	.4	263	SW	2.4
117	MN1H	4.5	264	UP1H	3.6
118	AG	5.7	265	UP1H	2.4
119	SV.H	.4	266	UP1M PQ	2.0
120	SV	5.7	267	AG	1.6
121	UP1H	14.6	268	UP2H	2.0
122	MN1H	.4	269	UP1H	.8
123	SV V H	16.2	270	UP1M/SV	.4
124	UP1H	3.2	271	G F	.4
127	MN1H	.4	272	PQ1L UP	.4
128	UP1H	.4	300	UP1L/SV.H	2.0
129	UP1H	.8	301	UP1H	.8
131	MN2H S	.8	302	MN1H	.4
132	AG	2.4			
133	AG	1.2			
134	U	2.0			
135	AG	5.3			
136	G F	8.5			
137	SV	1.2			
138	SV	.8			
139	SV	.8			
140	AG CO	85.0			
142	MN2H S	5.3			
143	SV H	1.6			
144	MN1H	1.2			
145	MN2H S	2.4			
146	MN1H	.4			
147	UP2H	1.2			
148	MN1H	2.8			
149	SV	2.4			
151	MN2H S	1.6			
152	SV	.8			
153	G F S	.4			

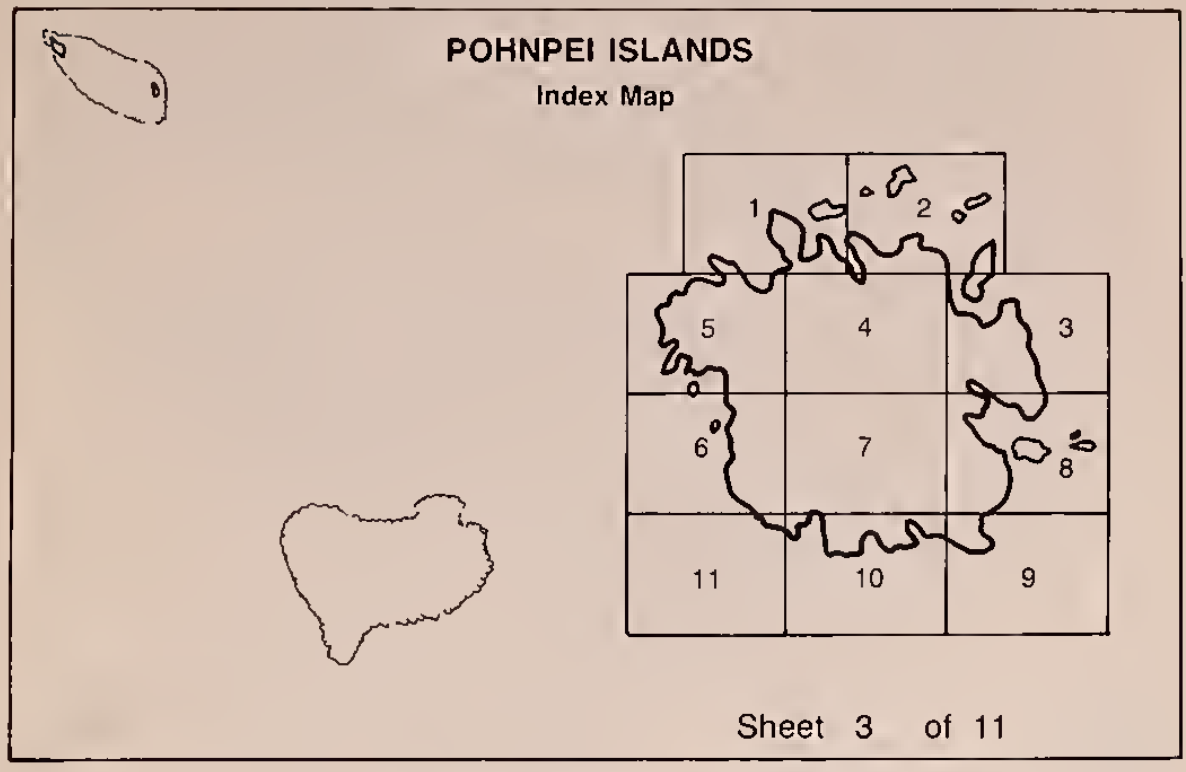
Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Control by USGS and TTPI
Compiled by photogrammetric methods from aerial photographs taken 1971. Map edited 1981
Projection and tenth grid value: Polyconic projection.
1927 North American Datum

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Ranger Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture.
Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geomatronics Section; 1987.

POHNPEI
SHEET 2 OF 11



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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
4	MN1H	1.2	171	AG CO/SV	21.9	335	SV	.4
5	W	.4	172	UP1L/SV.H	47.8	336	UP1M/SV H	6.5
6	UP1M/SV.H	18.6	173	SV H	3.2	337	MN1H	.8
7	AG.CO	1.2	174	SW1H	1.6	338	MN1H	.8
8	MN2H	6.9	175	MN1H R	5.7	339	G.S	2.8
9	MN1H	24.7	176	UP1M/SV H	131.9	341	UP1L/SV.V H	4.9
10	MN1M	8.9	177	AG CO	14.2	342	AG.CO	1.2
11	MN1H	4.5	178	SV.H	2.8	343	G.F	1.6
12	MN2H	9.7	179	UP1H	7.3	344	C	.4
13	MN1H	2.0	180	UP2H	2.4	345	MN1H.R	2.8
14	MN1H.S	2.0	182	M.F	11.3	346	SV	1.2
15	MN1H	1.2	183	UP1H	4.9	347	SV V	.8
17	SV	.4	184	UP2M/SV.H	4.5	348	MN1H	.8
18	MN1H	2.8	185	SV.H	1.2	349	SW2H	2.4
19	MN1H	.8	186	G.F	.8	350	G.F	2.8
20	SV	.4	187	G F	.4	351	SV V	.4
21	MN2H S	10.9	188	UP2L/SV.H	26.3	352	SV.V	.8
22	SV.V H	17.0	190	G F	.8	353	MN1H	.4
23	SV	.4	191	G G	.8	354	PO1H.I	.4
24	MN1H	13.4	192	SV H	1.6	355	UP1M/SV H	.4
25	AG CO	52.6	193	G F S	3.2	356	UP1H	.4
27	AG	1.6	194	M.F	2.4	357	M.F	.4
28	AG	2.4	195	PO1H I	.8	400	MN1H S	2.0
29	MN1H	5.3	196	G F S	.4	401	MN1H	2.8
30	AG CO	1.2	197	UP1M PO	.8	402	SV	2.8
31	MN1H.S	.8	198	G F.S	.8	403	UP1H	2.8
32	MN2H S	2.8	199	G F	7.3	404	UP2H	4.9
33	AG	6.1	200	SV H	2.8	405	UP1H	2.8
35	AC	16.2	201	G F	.4			
36	MN1H S	.8	202	MN0H R	17.0			
37	MN1H.S	.8	203	C	1.2			
39	AG	15.4	204	G S	10.5			
40	MN2H S	9.3	205	AG CO	8.5			
41	MN2H	4.0	206	M F.P	6.9			
42	MN1H	22.3	207	UP2H	2.4			
43	U	.8	208	G F S	5.7			
44	MN2H.S	36.8	209	AG CO	2.4			
45	SV	.4	210	G.F	4.0			
46	MN1H	1.2	211	C F.S	23.5			
47	MN1H	37.6	212	SV H	4.0			
48	MN1H	1.2	214	UP2H	2.0			
49	MN1H	1.2	215	M F	12.9			
50	AG	4.4	216	SV	1.2			
51	AG CO	10.5	218	SV.H	4.9			
52	MN1H	2.0	220	AG CO	4.0			
53	MN1H	9.3	221	G.F	1.2			
54	MN2H S	4.5	222	G S	.4			
56	SV	3.6	223	UP2M	7.3			
57	AC	19.8	224	UP1H	.8			
58	C	.8	226	UP1M/SV S	11.3			
59	SV.H	.4	227	SV	.8			
60	SV H	5.7	228	PO1H I	.8			
61	SV H	2.0	229	SV H	2.0			
62	AG CO	221.4	230	G CA F	78.1			
63	MN1H	.4	231	UP1M/SV	42.5			
64	MN2H S	6.1	232	AG CO	1.2			
66	SV	5.3	233	G G	2.4			
67	AG CO	17.0	234	G F	.4			
68	AG.CO	71.2	236	UP1H	12.1			
69	SV.V.H	3.2	237	AG CO	1.2			
70	SV	1.2	238	G G	.8			
71	SV H	.4	239	G F	2.0			
73	SV V H	4.5	240	MN2L	8.9			
74	MN1H	2.8	241	G.F	.8			
75	C	.4	242	UP1M	1.6			
76	AG	34.8	243	G F	.8			
77	MN2H	13.8	244	MN2H	4.0			
78	MN2H S	1.2	245	AG.CO	.8			
79	M F P	2.0	246	SV	.8			
80	SV	.4	247	G F S	.4			
81	UP1H	3.2	248	G.S	2.0			
82	SV	.4	249	AG CO	2.4			
83	AG CO	.4	250	M F P	.4			
84	SV H	.4	253	G.F S	1.2			
85	M F P	7.3	254	SW2M/SV	11.7			
86	MN1H	8.9	255	PO1H I	.4			
87	AG	.4	256	AG CO	22.7			
88	AG CO/SV	9.7	258	G G	1.6			
89	AG	4.0	259	G.G	4.9			
90	MN2H S	15.4	260	PO1H I	.4			
91	AG	3.2	261	SV	.4			
92	MN1H	2.8	262	SV	3.2			
93	SV.H	6.5	263	G F	.8			
94	AG CO/SV	18.6	265	G S	26.3			
95	SV.H	1.6	266	C S	1.6			
96	UP2H	2.4	267	MN0H R	3.2			
98	SV H	7.7	268	MN1M R	3.6			
99	UP2H	7.7	269	MN1H	32.8			
100	SV	.8	270	UP1H	42.1			
102	AG	32.8	271	C	.4			
105	SV H	8.1	272	G F S	6.1			
106	G G	1.6	273	G F S	.8			
107	UP1H	19.4	274	W	18.6			
109	UP1H	1.6	275	AG CO	5.3			
110	AG	1.2	276	G F S	.4			
111	SV H	2.0	277	AG.CO	1.2			
112	SV H	1.2	278	U	.8			
113	SV V	2.4	279	UP1M/SV	8.9			
114	SV V H	2.0	281	MN2H S	7.7			
115	AG CO	30.8	282	SV	4.5			
116	UP2M/SV	2.4	283	UP1M/SV H	8.5			
117	UP1H	1.2	284	C	.4			
118	AG CO/SV	.4	285	SV V H	18.2			
119	UP1M	.8	286	UP1H	6.1			
120	UP2H	7.7	287	G CA F	4.9			
121	PO1H I	.4	288	PO1H	.4			
122	MN2H S	5.3	289	UP1M/SV H	4.5			
123	UP2H	3.2	290	MN0H R	.4			
124	SV	3.6	292	MN1H	1.2			
125	SV H	3.6	293	G B	.8			
127	UP2H	1.6	294	MN1H R	2.0			
128	UP1M/SV H	3.6	295	UP1M/SV H	18.2			
129	AG	4.5	296	UP1M/SV	1.2			
130	UP1L/SV V H	215.3	297	G G	.4			
131	AG	1.6	298	AG CO	.8			
132	SV H	3.6	300	MN1H	1.6			
133	MN1H	7.3	302	UP1L/SV V H	4.0			
134	UP1H	1.2	303	G G	1.6			
135	UP1H	4.5	304	AC CO	2.8			
136	SV H	2.4	305	MN2M	6.5			
137	UP1H	2.8	306	AG.CO	1.6			
138	UP1H	2.8	307	UP1M/SV	3.6			
139	UP2H	15.4	308	AG CO	.4			
140	SV H	.4	309	SV V	.8			
141	UP1H	2.8	310	MN1H.R	2.0			
142	UP1M/SV H	8.5	311	SV	2.0			
143	UP1M/SV H	3.2	312	AG CO	2.8			
144	SV V	.8	313	G F S	5.3			
145	MN2H	21.0	314	AG CO	13.8			
146	PO1H	2.0	315	G F.S	1.2			
147	SV	2.8	316	AG CO	4.9			
148	UP1H	42.9	317	MN1H R	.8			
149	SV.H	1.2	318	SV V H	7.3			
150	SV V H	6.9	319	UP1M/SV.H	8.9			
151	AG	31.2	320	G F	.8			
152	UP1H	13.4	321	AG CO	13.8			
153	SW1H	1.6	322	SV V H	8.1			
154	SV H	5.7	323	G F S	1.2			
155	UP1M	8.9	324	AG CO	9.3			
157	AG CO	2.4	325	PO1H	2.4			
158	AG CO	4.5	326	G F	2.0			
160	UP1M/SV V H	20.6	327	AG.CO	.4			
161	MN1H.R	57.1	328	MN1H	11.3			
163	SV V	2.8	329	UP1H	5.7			
164	AG.CO	22.7	330	SV V	2.4			
166	MN0H R	2.8	331	AG CO	4.9			
168	MN2H.S	23.5	332	SV V H	5.3			
169	UP1H	1.6	333	SV	.8			
170	MN1H	.4	334	G.G	.8			

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KILOMETERS

NAUTICAL MILE

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

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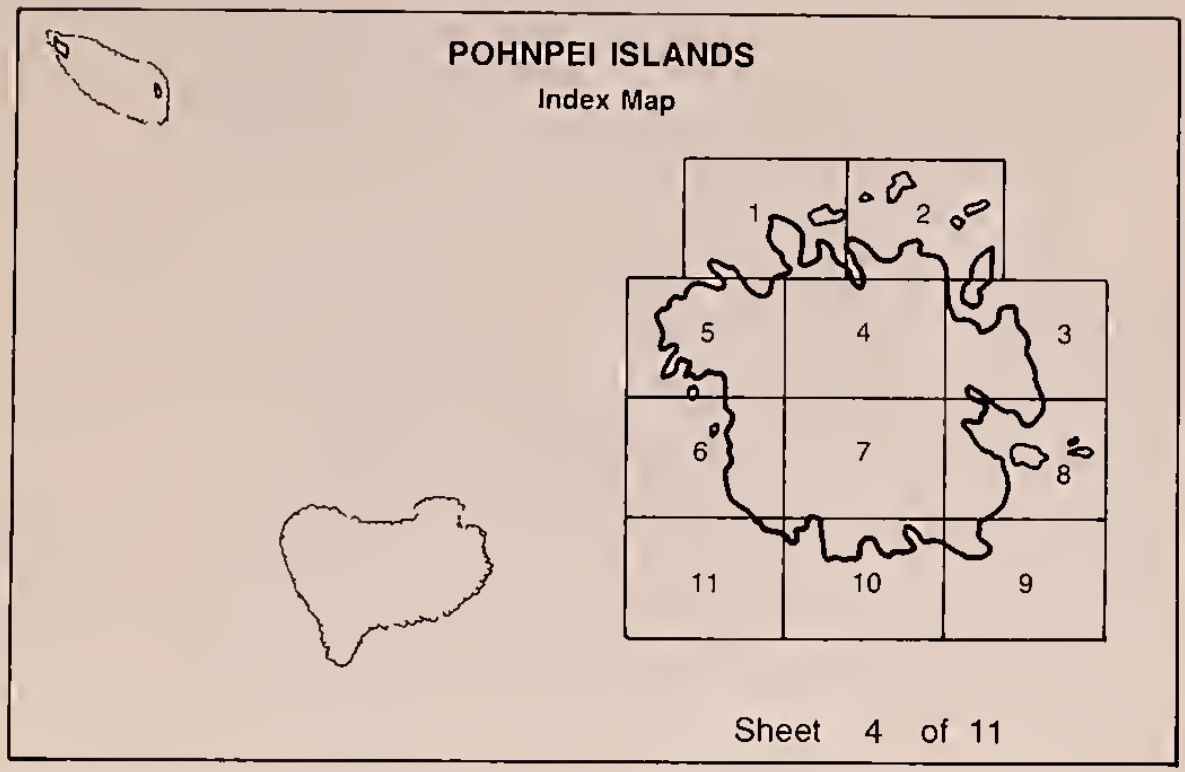

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UNITED STATES
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VEGETATION LEGEND

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ITEM	LABEL	AREA (HECTARES)
2	UP1L/SV	.4
3	UP1M/SV	.8
4	G G	1.6
5	AG CO	.4
7	G F	3.2
8	SV	3.2
9	SV	.4
10	G S	24.3
11	SV	1.2
12	UP1L/SV.H	40.9
13	SV	2.4
14	SV	4.0
15	G.F	.4
16	SV	.4
17	UP1H	.8
18	SV.H	40.9
19	SV	.4
21	MN2H	12.9
22	MN1H	10.9
23	MN2H	1.6
24	AG.CO	4.0
25	UP1H	22.7
26	SV	2.8
27	UP2H	.8
28	AG	10.1
29	AG	34.4
31	PO1M.UP	44.9
32	G F	.8
33	UP1H	8.9
34	UP1H	2.8
35	UP2H	7.3
36	C	.4
38	UP1L/SV.V.H	36.0
39	AG	14.2
40	UP1H	.4
41	AG CO	5.7
42	UP1L/SV.H	25.9
44	MN2H.S	37.6
45	W	83.8
46	AG	18.2
47	W	9.3
48	C	.4
49	G.G	.4
50	SV	.4
51	AG.CO	3.6
52	UP2M.PO	15.4
53	SW2H	2.8
55	MN1H	1.6
56	G F S	.4
57	AG CO	2.0
58	C	1.2
59	UP1H	53.0
61	G S	.4
62	SV	.4
63	M F.P	1.6
64	U	1.6
66	UP1H	3.6
67	UP2H	1.6
68	AG.CO	2.8
69	AG CO	1.2
71	SV H	2.8
72	SV H	1.6
73	SV	.4
74	SV	.4
75	SV.H	4.0
76	SV.H	.8
78	UP2M/SV	3.2
79	UP1H	2.0
80	G.G	4.0
81	SV.H	2.4
82	AG.CO	2.4
83	U	.4
84	SV	18.2
85	UP1H	4.0
86	SV.H	2.0
87	AG	2.8
88	SW2H	5.7
89	SV H	3.2
90	AG CO	2.8
91	AG	.4
92	G F	.8
93	AG.CO	22.7
94	UP2H	7.3
95	SW1H	.4
97	UP1L/SV.H	44.5
98	PO1H.I	.8
99	AG CO	1.2
100	SV	.4
101	AG.CO	2.4
102	UP2H	1746.7
103	UP2H	2.0
104	SV.H	8.5
105	AG.CO	.4
106	C	.4
107	SW1M/SV H	24.3
108	PO1H.I	.8
109	SV	.4
110	UP2H	7.7
111	UP1H	49.8
112	UP2H	9.7
113	SV H	2.4
114	AG.CO/SV	10.1
115	PO1H.I	.4
117	UP2H	33.6
118	AG.CO	2.8
119	SV	7.3
120	PO1H I	.4
121	UP1H	3.2
122	AG	8.5
123	SV	2.8
124	G F	.8
125	G G	4.5
126	UP1L/SV H	3.6
127	AG	14.2
128	PO1H.I	.4
129	UP2M PO	10.5
130	UP2H	43.3
131	SV	5.3
132	AG.CO	4.0
133	SV H	2.4
134	UP1H	3.2
135	SV	2.4
136	AG.CO/SV	.4
138	UP1M/SV H	15.0
139	G F	.4
140	AG	5.3
142	AG.CO	1.6
144	SV	25.9
146	AG.CO	3.2
147	AG.CO	.8
148	G F	2.0
149	SV	16.6
150	PO1H.1	.4
151	CO1H	4.0
152	C	.4
153	SV.H	4.0
154	C	.4
156	UP1H	3.2
157	UP2H	2.0
158	G.G	.8
159	AG CO	8.1
160	SV	1.2
162	AG.CO	25.1
163	PO1H I	.4
165	U	.4
166	AG.CO	14.6
167	UP1H	2.4
168	SV.V.H	20.6

ITEM	LABEL	AREA (HECTARES)
169	UP1H	6.1
170	UP2H	10.1
172	G F	8.9
173	C	1.2
174	SV.H	.8
175	SV	3.6
176	UP1H	4.5
177	G.F	.8
179	SV	.4
180	G.F	.4
181	UP1M.PO	3.6
182	UP1H	1.2
183	SV	1.2
184	SV.H	1.6
185	AG.CO	2.8
187	C	.8
189	G.G	2.4
190	AG CO	7.7
191	UP1L/SV.H	6.5
192	UP1H	28.7
193	G.F	1.2
194	UP2H	.8
195	SV	3.6
196	UP1H	1.6
197	SV	1.2
198	UP1M.PO	156.6
199	AG	1.2
200	U	8.1
201	UP1L	.4
202	AG	1.2
203	UP2H	3.6
204	G.G	3.6
206	C	.4
207	PO1H	.4
208	PO1H	1.2
209	UP2H	2.8
211	SV V H	4.0
212	AG CO	3.6
213	UP2H	2.0
214	MN1H	.4
215	G F	.8
216	UP1H	33.2
218	SV	2.0
219	SV.H	6.1
220	UP1H	13.8
221	AG	.8
222	UP1H	2.4
223	AG CO	1.6
224	MN1H	10.9
225	AG CO	2.8
226	SV.H	1.2
227	G G	3.6
229	G F	.4
230	AG CO	146.1
231	SV H	4.0
232	PO1H	.4
233	SV	5.7
234	UP1M/SV H	8.9
235	W	.8
236	SV	.4
237	G F	.8
238	SV V H	7.3
239	C	.4
241	UP1H	4.5
242	U	.4
243	PO1H I	.4
244	AG CO	15.0
245	C	.4
246	UP2H	8.5
247	G.F	.4
248	G S	2.0
249	AG CO	1.6
250	G F	.4
251	AG CO	7.3
253	UP2M/SV.H	2.4
254	AG CO	1.2
255	SV	1.2
256	SV V	19.0
257	AG CO	7.3
258	SV.H	.4
259	UP1H	9.7
260	UP2H	7.7
261	AG	2.4
262	AG	4.0
263	W	.4
264	SV	1.2
265	AG.CO	3.6
266	SV	.4
267	AG CO	9.3
269	AG	86.2
270	PO1M	.4
271	G.CA	2.4
272	UP1M/SV	.8
273	AG CO	11.3
274	UP2H	13.8
275	UP1H	2.0
276	UP1M/SV H	14.2
277	SW2H	.8
278	UP1H	17.4
279	AG	21.4
280	G F	4.5
281	SV V	3.6
282	SV	25.1
283	UP2H	4.0
284	UP1H	6.1
285	SV	1.2
287	MN1H S	6.1
288	SV	.4
289	G.F	2.0
290	UP1M/SV H	3.6
291	AG	1.2
292	UP1H/SV.H	13.4
293	AG	2.8
294	SV H	1.6
295	UP1H	2.4
297	UP2H	.8
298	UP1H	2.0
299	MN1L D	.4
300	UP1H	4.0
302	SV	.4
303	SV V	7.3
304	UP1M/SV.S	3.6
305	UP1M.PO	28.7
306	SV	4.9
307	SV	1.2
308	UP1H	.8
309	PO1H.I	.4
310	MN1H	5.3
311	AG	21.0
312	SV V H	9.7
314	SV	1.6
316	SV	1.2
317	MN2H S	4.0
318	UP2H	15.4
319	PO1H	.4
320	AG	6.5
321	PO1H.1	.4
322	SV	.8
323	AG	4.5
325	PO1H I	.8
326	SV V H	4.9
327	UP1H	33.6
328	UP1H	2.4
329	UP2H	33.6
330	SV H	2.0
331	AG	4.0
332	UP2H/SV	2.4
333	UP1H	4.5

ITEM	LABEL	AREA (HECTARES)
334	SV	.4
335	UP1H	2.4
336	AG	12.1
337	UP1H	4.9
338	AG	.4
339	SV V	1.2
340	UP1H	2.8
341	UP1M/SV V H	7.7
342	SV	.8
343	AG	10.2
344	AG.CO	2.0
346	AG	1.2
347	AG CO	3.6
348	UP1H	1.6
350	UP1M/SV.H	34.0
351	AG	6.1
353	UP1H	2.8
354	UP1H	5.6
355	AG	32.8
356	SV	1.6
357	AG	2.0
358	SV	1.2
359	SV.H	.4
360	UP1H	1.6
362	SV	.4
363	AG	21.0
364	SV	1.6
365	UP2H	1.6
366	UP1H	2.0
367	UP1M	2.4
368	SV	.4
369	AG	4.5
370	G F	.4
371	SV	.8
372	UP2H	3.6
375	UP1M PO	8.5
376	SV	1.2
377	PO1M UP	122.2
378	G G	7.7
379	UP1M/SV H	4.0
380	SV H	2.4
382	SV V	.8
383	SV H	3.6
384	SV	.8
385	UP1M/SV	1.2
386	UP2H	11.7
387	SV	.8
389	SV V	1.2
390	PO1M.UP	3.6
391	SV	2.8
392	SV H	1.2
393	SV H	4.0
394	AG CO	.8
395	UP1M.PO	.4
396	SV	1.2
397	UP1M/SV H	5.7
398	UP1H	5.3
400	SV	.8
401	AG	2.0
405	SV	1.2
406	AG CO	4.9
407	UP1M/SV H	4.8
408	UP1M/SV	6.1
409	UP1M/SV.V.H	10.9
410	PO1H.I	.4
411	SV V	.4
412	SV H	1.2
413	SV	.8
415	PO1H.I	1.2
416	UP1H	.4
417	AG CO	13.7
418	UP2H	.8
420	SV	.4
422	SV.H	.8
423	AG CO/SV	22.3
424	UP1H	.4
425	UP2H	19.8
426	SV	.4
427	C	.4
429	SV V	6.1
432	UP2H	1.6
433	UP1M.PO/SV	12.1
434	UP1H	4.0
436	SV.H	1.2
438	SV H	.4
439	UP2L	1.6
440	UP1H	144.9
441	U	.4
442	SV	1.2
443	SV H	2.0
444	UP1H	3.2
445	SV	1.2
446	SV	2.8
447	UP1M/SV.H	9.7
448	SV H	2.0
449	SV H	.8
450	SV	.4
451	SV	.4
452	SV V	1.6
453	UP1M/SV H	5.7
454	UP1H	.4
455	UP2H	3.2
458	SV	.8
459	SV	.4
460	AG	17.4
462	UP2H	.8
463	AG	3.6
464	UP1H	.4
465	SV H	2.4
466	UP2H	.4
467	SV H	.8
468	SV	.8
469	PO1H I	.8
470	UP1M/SV.H	6.5
471	UP1M/SV.H	40.1
472	UP2H	.4
473	PO1H.I	3.6
474	SV	.4
475	UP2H	2.4
476	SV	2.0
477	SV	.4
478	UP2M	6.5
479	UP1H	2.0
481	SV	.4
482	SV V	1.2
483	SV H	3.6
485	UP1M/SV H	4.9
486	SV	.4
487	UP2H	.8
488	UP2H	.8
489	SV H	4.0
490	UP2M.PO	5.3
491	SV.V	1.6
493	UP2M.PO	10.1
494	UP1H	3.2
495	UP1H	.8
497	AG CO	2.4
499	SV.H	.4
500	UP1M PO	9.7
501	SV	.4
502	UP2H	8.5
503	UP1H	.8
504	SV.H	1.2
506	UP2H	2.0
507	PO1H	1.2
508	SV H	8.1
509	UP2M.PO	4.0
510	SV H	2.0

ITEM	LABEL	AREA (HECTARES)
511	UP1H	1.2
512	SV	.4
513	SV	2.8
514	SV	1.2
518	PO1H I	.8
520	SV.H	1.6
521	AG CO	4.0
522	AG CO	2.8
523	AG.CO	4.0
524	UP1H	21.4
527	UP1M PO	13.4
528	PO1H	1.6
529	SV	.8
530	UP1M	3.2
531	PO1H.I	.8
532	SV.H	.8
533	SV.H	2.0
534	SV	.8
535	SV.V.H	.4
536	SV	1.2
537	PO1H I	.4
538	SV	.8
539	UP1M/SV.H	9.7
540	UP2H	22.7
541	UP1M PO	11.3
542	SV	1.2
544	SV	.8
545	SV.V H	.4
546	G.F	.4
547	UP1H	1.6
548	SV	.8
550	SV H	.4
552	UP1M PO	199.9
553	SV.V	4.9
554	UP1H	4.0
556	UP1H	2.8
557	SV.H	2.4
558	G F S	.8
559	SV.V	.4
560	SV	.4
561	UP1M/SV H	1.2
562	UP1M/SV.H	213.3
563	UP1M PO	19.0
564	SV	.4
565	UP1M PO	2.4
566	UP1H	15.0
567	SV	.4
568	SV	.4
569	UP1H	.8
570	UP2M.PO	138.0
571	SV	.4
572	G F	.4
573	SV	.4
574	SV H	3.2
575	UP2H	114.1
576	SV	1.6
577	UP2M PO	12.1
578	SV	.8
579	SV	2.0
580	UP2M PO	8.9
582	UP2M/SV H	32.4
584	UP1M PO	41.3
585	UP1H	2.8
586	SV	.4
587	UP1H	1.2
588	SV	3.6
590	SV H	.8
591	SV	.4
593	SV	.4
594	SV.H	.8
595	PO1H	2.0
596	UP1M/SV H	6.5
597	UP1M PO	1.2
598	SV	.4
599	UP2H	.8
600	UP2L PO	13.7
601	SV	.8
603	UP2H PO	4.5
604	SV.H	.4
605	SV	.4
606	SV	.8
607	SV.H	6.9
609	SV	.8
610	SV.H	.4
611	UP1H	12.5
612	UP1H	8.5
613	UP2H	5.3
614	SV.H	.4
615	UP2H	2.0
616	UP1M/SV S	8.1
617	PO1H I	.8
619	SV	.4
620	PO1H	.8
621	UP1M PO	2.4
622	UP2H	2.8
624	SV	2.0
625	SV V	1.6
626	PO1H	12.1
627	UP2H	.4
628	UP1M PO	5.3
629	SV	4.5
630	UP1M PO	257.4
632	SV H	.8
633	UP1H	5.3
634	SV	.4
635	SV	1.6
636	SV	1.2
637	SV H	1.2
638	SV	.8
639	SV H	.4
640	SV H	1.2
641	SV H	2.4
644	UP2M/SV	1.6
645	UP1H	18.2
646	SV H	.4
647	SV.V H	9.7
648	SV	.8
649	UP1H	.4
650	SV V H	10.1
651	PO1H I	.4
652	SV	.8
655	UP1H	9.7
656	UP1M/SV	5.3
657	SV	1.2
661	UP1H	.8
662	UP2L/SV H	6.1
663	UP1H	12.1
664	UP1H	7.3
665	UP1H	2.8
666	SV V H	3.6
667	UP2H	17.4
668	SV H	2.4
670	UP2M	.4
671	UP2H	2.4
672	UP2H	117.0
673	UP2H	60.5
674	UP2H	2.8
675	UP2H	6.5
676	SV.H	2.0
677	SV.H	6.1
679	SV.H	6.9
680	UP2H	8.9
681	SV.H	.4
682	UP1H	59.1
684	SV.V.H	1.6
685	UP1H	2.4
686	UP2H	6.5
688	UP0H	2.8

ITEM	LABEL
689	UP1M PO
690	UP2M.PO
691	UP1M.PO
692	SV.V
693	PO1H
695	M F.P
696	SV.V.H
697	UP2H/SV.H
698	UP1H
699	UP1H
701	SV.H
702	SV.V
703	SV
704	UP2H
705	SV
706	UP1H
707	UP2H
708	UP2H
709	SV.H
710	UP1M.PO
711	UP1M PO
712	UP1H
713	UP2L/SV.H V
714	UP1H
715	UP1H
716	UP2H
717	PO1H.I
718	G.F S
720	SV
721	SV.H
722	UP1H
723	PO1H
724	UP1H
725	SV
726	UP2H
727	SV
728	UP1H
729	SV
730	PO1H
731	SV.V
732	G F
735	SV
736	UP1H
737	SV V
738	PO1H.I
739	UP1M PO
741	PO1H
742	UP2H
744	SV
745	SV
746	G F S
747	UP2H
748	G F.S
749	PO1H.I
750	SV V H
751	UP1H
752	OF0H
753	PO1H
755	UP2H
757	UP2H
758	SV.H
759	SV.V H
760	UP2H
761	SV.H
762	UP1H
763	UP1H
766	UP2H
767	UP2H
769	UP2H
770	G.F
775	UP1M.PO
776	AG CO
777	PO1H.I
778	SV V
779	UP2H
780	UP2H
781	PO1H.I
782	PO1H.I
783	UP1H
784	UP1M PO
785	UP1M/SV H
786	UP2H
787	PO1H
788	UP2H
789	UP1H.PO
791	SV H
792	UP1M
793	UP1H
794	PO1H
795	PO1H I
796	UP1M PO
797	UP2H
798	PO1H I
799	UP2H
800	PO1H I
801	UP2H
802	SV
803	PO1H.I
804	UP2M PO
805	AG CO
806	UP1L/SV V H
807	PO1H I
809	UP2H
810	G F.S
811	G CA
812	PO1H I
813	UP1H
815	PO1H
816	UP2H
817	G F S
819	UP1H PO
820	G F
821	UP1M.PO
822	SV H
823	UP1H
824	PO1H
825	UP1M PO
826	PO1H I
827	PO1H
828	SV H
829	UP1H
830	UP1M.PO
831	UP1H PO
832	UP1H.PO
833	PO1H I
834	PO1H.I
835	SV H
836	UP1H
837	UP1H
838	UP1H
839	PO1H.I
840	UP2H
841	UP1M PO
842	UP1H
843	UP1M/SV H
844	SV
846	SV V H
847	UP1H
848	PO1H I
849	SV
850	UP2M PO
851	UP2H
852	SV.H
853	SV V
854	SV H
855	PO1H

Produced by the United States Geological Survey in cooperation with Trust Territory of the Pacific Islands

1:20,000

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

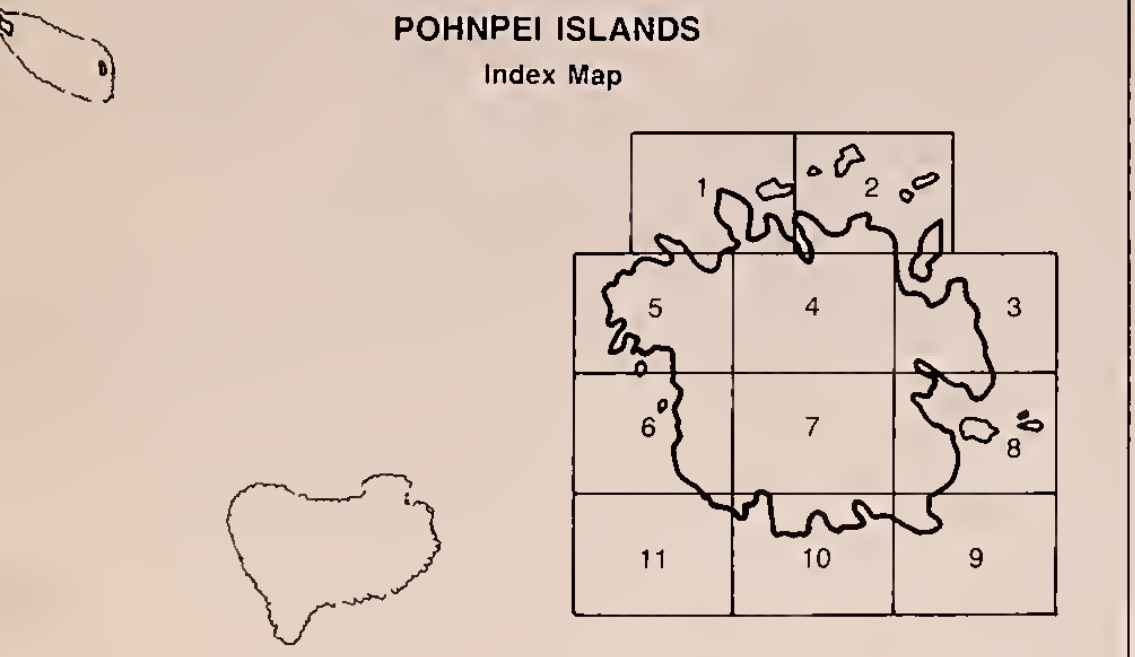
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Allen H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section: 1987.

POHNPEI

POHNPEI ISLANDS

Index Map



Sheet 5 of 11

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHEET 5 OF 11

1:20,000

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

IN MAGNETIC NORTH DECLINATION
1 DEGREE AT CENTER OF SHEET

Prepared by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Control by USC&GS and TTPI
Compilation by photogrammetric methods from aerial photographs
taken 1971. Field checked 1980. Map edited 1981

Projection and metric grid ticks: Primary coordinate datum:
Modified Transverse Mercator

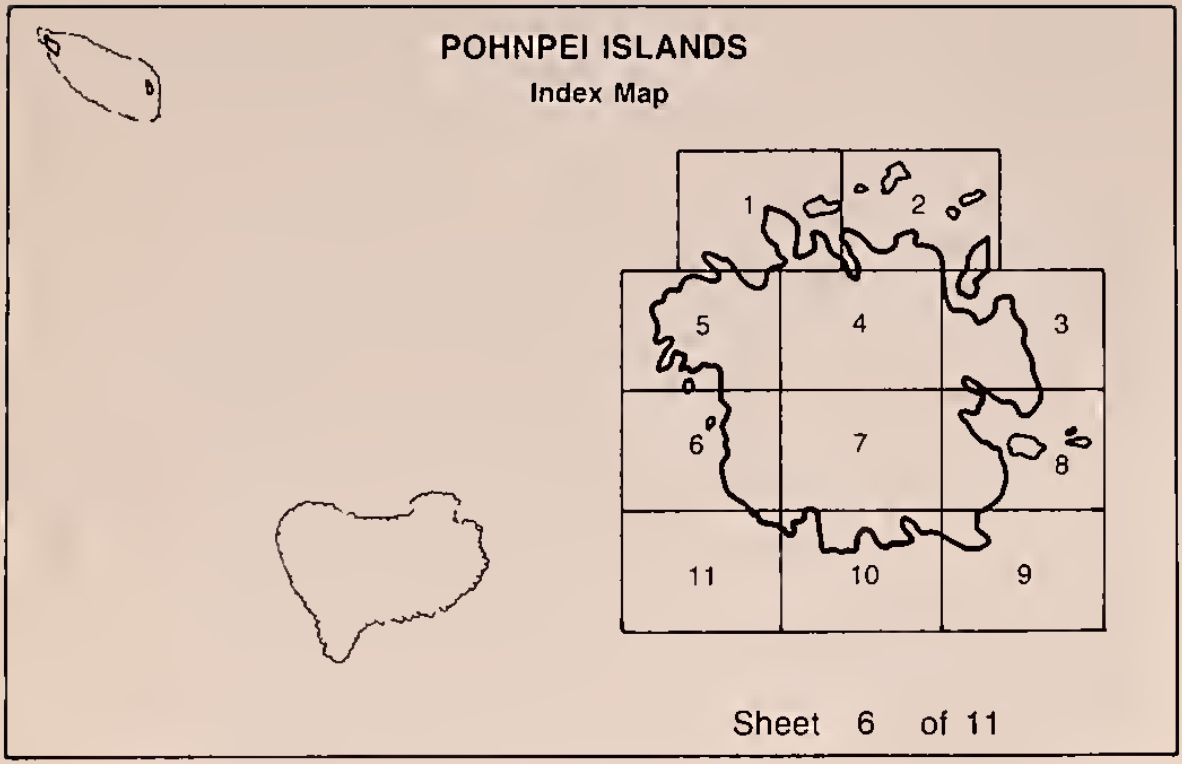
VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (METRES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
2	UP1M	1.2	165	C	4	325	G F	4	498	UP1H	19.0	670	UP1H	47.3
3	M F P	4.0	166	U	4	326	AG CO	16.2	501	AG	21.9	671	G F S	8
4	UP1L/SV H	11.7	167	UP2H	1.2	327	G F S	3.2	503	C	4	672	G F	4
5	SV	2.8	168	UP3H	4.0	328	UP2M/SV	13.8	504	UP1H	18.6	673	UP6H	1.2
6	MN1H	12.5	169	AG CO	7.3	329	UP1H	2.0	506	MN1H	4	674	G F	4
7	SW1H	4	170	AG CO	2.0	330	U	1.6	507	G F	4	675	UP2H	23.9
8	MN2H	2.0	171	SV H	8	331	SV W	1.2	508	SV H	8	676	W	4
9	W	1.2	172	G F	4	333	UP1H	4	509	MN1H	4	677	SV V H	4.5
10	AG	4	173	C	4	334	UP2H	5.3	510	UP1H	4.9	679	UP2H	147.2
12	SV	4	174	G F	4	335	PO1H1	4	511	G F	4.5	680	SV H	4
13	AG CO	44.9	175	SV	4	336	UP1M/SV	4.5	512	UP1L/SV H	8.1	681	G F	4
14	MN1H	7.7	176	SV H	3.6	337	PO1H1	4	513	SV	4	682	G F S	4
15	MN2H	29.9	177	SV	1.2	338	SW1M/SV H	1.6	514	UP1H	4	683	UP2H	1.2
16	UP1M/SV H	1.2	178	G F	1.6	339	C	2.0	515	SV	4	684	SV	4.0
17	G F	1.2	179	UP1H	8	340	UP1M/SV	1.6	516	M F	8	685	SW2H	5.7
18	SW1M/MN H	2.4	180	UP1M PO	3.2	341	G F	4	517	G F	4.0	688	SV V	2.0
19	UP1L/SV H	23.5	181	G F	12.5	342	SW1H	17.0	518	UP2H	2.4	687	UP1H	44.9
20	UP1H	1.8	182	C	4	343	C	4	519	SV	2.0	688	AG CO	38.5
22	MN2U R	4	183	UP2H	1.2	344	G F	2.4	520	SV V	3.6	689	G F	1.2
23	MN1H	38.8	185	UP2H	2.0	345	SV BB	2.0	521	SV V	4	690	UP1M PO	8.9
25	UP1H	5.3	186	U	8	347	UP2M	1.2	522	UP2H	2.4	691	G F	4
26	UP1H	4	187	UP2H	5.7	348	G CA F	49.6	523	AG	28.7	692	UP2H	1.2
27	G G	5.7	188	SV	4	349	MN1H	4	525	UP1M PO	23.5	693	G F	8
28	AG	1.6	189	SV H	1.6	350	SV H	8	526	UP1H	8.5	694	G F S	1.2
29	G G	4	190	SV H	1.6	351	G F	2.0	527	G F S	1.2	695	SV	8
30	G G	2.0	191	AG CO	15.4	352	SV H	2.8	528	UP2H	8	696	SV H	4
31	AG	1.6	192	AG	2.0	353	M S	13.4	529	SV H	4	698	UP6H	1.2
32	MN2H	2.8	193	UP1H	2.4	354	UP1M PO	29.1	530	SV H	8	699	G F	1.2
33	MN1H	10.5	194	MN1H	8	355	G F	2.0	531	UP1M/SV	2.8	700	MN1H R	2.4
34	G G	1.2	195	UP2H	13.8	356	SV H	7.7	532	C	4	702	AG CO	8
35	SW1H	1.2	196	AG	4	357	UP1M PO	2.8	533	UP2H	7.7	703	MN2H	5.3
36	MN2H	17.8	197	SV	4	358	UP1M/SV H	7.3	534	G F S	15.0	704	MN1H R	17.9
37	G F S	2.0	198	UP1H PO	5.3	359	UP1H PO 1	4	535	AG CO	8.5	705	SV	1.2
38	UP1H	.8	199	UP1M/SV H	105.2	360	C	1.2	536	AG CO	59.1	706	SV H	5.3
39	UP1H	8.5	200	G F	8	361	SV	1.6	537	SV	8	708	SV	8
40	G G	8	202	G CA	6.9	362	SV	8	538	G CA F	5.7	709	SV V H	10.9
41	MN2H	8.9	203	UP1M/SV H	8	364	G F S	1.6	539	UP1H	28.7	710	G G	2.8
42	UP1M/SV H	14.6	204	UP1H	10.9	365	UP1H	11.7	540	SV H	8	712	SV	4
43	AG	1.2	206	SV H	8	366	G F	3.6	541	C	4	713	MN1H	1.6
44	AG	8	207	MN1H	4	368	UP1M/SV H	2.4	542	SV	4	714	SV H	2.4
45	AG CO	4	208	SV	4	370	G F	8	543	SV H	1.2	715	PO1H1	8
47	AG CO	53	209	AG	2.0	371	UP2M	18.6	544	SV H	2.4	716	C	1.6
48	AG CO	4.0	210	SV BB	1.2	372	UP1H	4	545	UP2H	50.6	718	MN2H	15.0
49	G G	2.0	211	AG CO	8	373	UP1H	1.2	546	G F	4	719	MN1H	29.1
50	MN1H	12	212	MN1H	1.2	374	SV H	8	547	SV H	4	720	UP2H	1.6
51	G G	6.1	213	G G	1.2	375	SV H	7.3	548	SV H	1.2	721	C	1.6
52	UP1L/SV H	3.6	214	UP1L/SV H	4.0	376	G F S	12.9	549	G F	4	722	G F	3.6
53	MN1H	1.6	217	SV	2.8	377	SV V	3.2	550	SV H	1.6	723	UP1M PO	6.1
54	C	8.1	219	SV	8	378	SV H	1.2	552	G F S	7.3	724	PO1H1	4
55	AG CO	19.0	220	UP2H	3.2	380	UP1M PO	4.9	553	G F	1.2	725	AG	8
56	SV H	4	221	UP1H	39.7	382	SV H	8	555	C	8	727	UP2H	9.7
57	UP1H	8.1	222	G F	8	384	SV H	2.0	556	SV H	2.8	728	UP1M PO	4
58	C	4	223	UP1M/SV H	13.8	385	UP3H	40.9	557	SV H	2.0	729	SV H	3.8
59	AG CO	4.5	224	UP2H	13.8	386	C	8	558	MN1H R	19.9	731	SV	8
60	SV	8	226	G F	34.0	387	SV H	4.5	559	UP1H	4	732	SV H	1.6
61	G F	15.0	228	SV	4	389	UP1H	23.9	560	SV	8	733	MN6H R	2.4
62	UP1M	1.6	229	SV V H	4.5	391	AG	4	561	SV V	3.2	734	G F S	8.9
64	UP1L/SV H	2.8	230	G F	4.9	393	G F	51.8	563	SV H	5.7	735	AG CO	2.4
65	UP1L	2.4	231	G G	8	394	SV H	4	564	C	4	736	UP1H	8.5
66	AG CO	35.6	232	AG CO	1.6	397	UP1M PO	11.7	565	G CA	7.3	737	SW2H	4
68	UP1M/SV H	26.3	233	G F	1.2	398	MN3H R	3.6	566	UP1M PO	265.3	738	G F	4
69	SV	4	235	SV H	8	399	AG	1.2	567	MN2H	2.4	739	MN1H R	7.7
70	G G	1.2	236	C	4	400	AG	3.6	569	UP2H	4.5	740	UP1L/SV	8
71	UP2H	31.2	237	G F	4	401	G F	8	571	UP1H	2.4	741	PO1H1	4
72	MN2H	4.0	238	G F	647	402	G F	8	572	UP2H	8	742	G G	1.2
73	AG CO	7.3	239	UP2H	6.9	403	G G	4	573	G F S	17.8	743	AG CO	2.0
74	SV	8	240	MN2H	8.1	405	C	8	574	G F	4	744	SV	4
75	UP1H	4	241	G F	4	406	SV H	2.0	575	UP1H	19.7	745	PO1H1	1.6
76	G F	1.2	242	MN3H R	6.9	408	UP2H	5.3	576	SV H	2.4	746	UP1H	2.0
77	SV	4	243	UP1M/SV	1.2	410	UP1M PO	44.1	577	UP2H	18.2	747	UP2H	2.0
78	SV	4	244	G F	4	411	PO1H1	4	578	PO1H1	4	749	UP1H	3.6
79	MN1H R	30.4	245	G F	4	412	UP2M	2.0	579	MN6H R	25.5	750	SV	4
81	G CA	1.2	246	SV H	1.2	413	C	8	580	MN1H R	8.5	751	G F	2.0
82	MN1H	3.2	247	SV	4	414	UP1H	0.5	581	PO1H1	1.2	752	PO1H1	4
83	MN2H	39.3	248	PO1H	1.8	415	UP2H	10.2	582	UP1M/SV H	38.0	753	SV V H	10.9
84	W	4	249	SV	4	417	SV H	11.3	584	SV	8	754	UP1M/SV H	4
86	UP2H	7.7	250	UP1H	6.1	418	SV	.8	585	UP1M PO	1.6	755	PO1M/SV	15.0
87	G B	2.0	251	UP2H	3.2	420	SV H	1.2	586	UP1L/SV H	6.5	756	UP1M/SV H	18.6
89	AG CO	3.6	252	UP1H	1.6	421	G CA F	2.4	587	UP1H	4	757	MN2U H	6.9
90	UP2H	4.0	253	PO1H	2.4	422	C	4	588	C	4	758	UP1H	5.7
91	UP1M/SV H	30.4	254	AG CO	27.9	423	SV H	2.4	589	AG CO	2.0	759	UP2H	9.3
92	SV BB	1.2	255	SV	1.2	424	UP1H	4.9	590	UP1M/SV	6.5	760	MN2H	10.1
93	UP1H	6.5	256	UP1H	12.5	425	SV H	2.0	591	UP1M/SV S	1.6	761	SV V H	4
94	G G	4	258	UP1H	2.4	426	MN6H R	6.5	592	UP2M	3.2	762	SW1H	1.6
95	AG CO	2.0	259	UP1H PO	2.4	427	MN1H R	4	594	UP2H	3.6	763	UP1M PO	3.2
96	C	8	260	UP1L PO/SV H	14.2	429	UP2H	8.1	595	AG CO	4	764	MN1H	3.6
97	MN1H	12.5	261	G F	16.3	430	G S	8	596	SV	8	765	UP1L/SV H	1.6
98	G G	4	262	SV	4	431	UP1A1 PO	17.4	597	SV	4	767	PO1H1	4
99	MN1H S	1.2	263	SV H	1.6	432	AG CO	6.5	598	MN1H R	2.0	768	SV H	4
100	G F	8	264	SW1H	8.1	434	MN1H	4	599	UP1H	4.9	770	AG CO/SV	17.0
101	SV	4	265	SV V H	6.5	436	M F	1.2	600	G F	4	771	PO1H1	4
102	SV	1.2	266	SV	8	438	SV	4	601	SW1M/SV H	4.9	772	PO1H1	4
103	UP1H	9.7	267	SV V H	18.2	439	SV	8	603	PO1H1	8	773	MN1H R	15.8
104	SV	4	268	SV H	1.6	440	SV H	2.8	604	UP1H	4.9	774	SV H	8
105	G G	2.4	269	UP1H	3.6	441	UP2H	57.5	605	SV H	1.2	775	AG CO	6.1
106	AG	.4	270	SV H	8.9	442	UP1H	2.8	606	UP2H	4.0	776	UP1M/SV	8
107	UP2H	1.6	271	G F S	7.3	443	SV V H	6.1	607	AG	1.2	777	AG CO/SV	4
108	UP1H	6.9	272	C	4	445	C	4	608	SV	2.0	778	C	8
109	SV	.8	274	PO1H	8	446	SV	4	610	G F S	14.6	779	UP1M/SV H	2.4
110	G F	11.3	275	UP2H	1.2	447	SV V H	4.9	611	PO1H1	4	780	SV	4
111	AG CO	2.0	277	AG CO	28.7	448	UP2H	3.2	612	PO1H1	8	781	UP1H	1.6
112	SV H	4	278	C	4	449	MN1H R	121.0	613	MN1H R	159.8	782	UP2H	4.0
113	SV	4	279	SV H	2.0	450	SV	4	614	SW	4	783	UP2H	2.4
115	UP1H	1.2	280	MN2H R	2.4	451	MN1H	4	615	SW1H	1.2	784	SV	8
116	G G	4	281	G F	3.2	452	UP1M/SV V H	1.2	616	SV H	1.2	785	UP2H	4
117	UP1M/SV H	12.1	282	UP2H	6.5	453	UP1H	4.9	618	SV H	8.5	786	PO1H1	4
118	SV	1.2	283	UP2H	3.2	454	AG	9.3	619	AG CO	1.2	787	UP1M/SV H	4
119	SV	4	284	SV	4.9	455	MN1H	4	620	SV	4	788	SV	4
120	UP1H	2.0	285	UP1H	4.0	456	M F P	4	621	PO1H1	8	789	MN2H	4
121	UP2H	12.5	286	G F	1.6	457	AG CO/SV	25.1	622	UP2H	2.4	790	MN9H	4
124	MN2H	1.6	287	UP1H	1.6	459	M F P	4	623	AG CO	4.0	791	MN2H	4
125	AG CO	2.4	288	UP1H	2.0	460	UP2L/SV H	2.4	625	UP1H	5.7	800	SV V H	4.9
126	AG CO	7.7	289	UP2H	3.2	461	UP2M/SV H	8	626	UP1H	55.6	801	AG	3.2
127	SV	4	290	PO1H1	4	462	AG CO	8	627	UP2H	4	802	G G	4
129	SV	4	291	MN9H R	25.9	463	SV H	1.2	629	SW1H	2.0	803	PO1H	1.6
130	AG CO	4	292	AG CO	7.3	464	SV H	4.5	630	MN1L	4	804	UP1M/SV H	6.9
131	SV H	4	293	PO1H	1.2	465	UP1H	1.2	631	AG CO	2.4	805	MN2H	1.6
132	SW H	8	294	UP2M/SV	6.5	466	SV	4	632	UP1H PO	24.3	806	SV	8
133	SV	1.6	295	AG CO	1.6	467	G S	4.0	633	SV	4	807	PO1H1	8
135	AG CO	49.4	296	UP2H	3.6	468	C	4	634	SV H	6.9	808	UP1L/SV	4.0
136	SV	8	297	UP1M/SV	9.3	469	UP1L/SV H	19.4	635	UP2H	9.3	809	UP1M PO	8.9
137	AG CO	2.4	298	SV	8	470	SV H	10.9	636	UP2H	6	810	UP1H	2.8
138	AG CO/SV	3.2	299	UP2H	65.6	471	G CA F	4	638	UP1H	6			
139	C	2.0	300	SV	4	472	PO1H1	4	639	G F	4			
140	G F	8	301	PO1H1	8	473	SV	8	640	G F	8			
141	AG CO	4	302	SV H	8	475	UP2M	2.4	641	UP1H	2.4			
142	PF1H	4	303	UP1H	18.6	476	UP1M	8.9	642	PO1H1	4			
143	UP1H	4	304	UP1M/SV	5.3	477	UP1H	22.3	643	PO1H1	4			
144	SV	4	305	UP1M PO	1.6	478	UP2M	2.4	644	SV	4			
145	SW H	1.2	306	G F	1.6	479	SV H	1.6	645	SW1H	1.6			
146	AG	.8	307	SV	8	480	UP1H	8	646	PO1H1	8			
147	AG CO	4	308	SV H	2.4	481	UP2M/SV H	2.4	648	UP2H	45.3			
148	MN1H N	2.0	309	SV H	5.7	482	UP1H	2.8	649	UP1H	5.7			
149	SV	5.7	310	UP1H	1.2	483	UP1H	3.2	650	PO1H1	8			
150	UP2H	4.5	311	UP2H	22.3	484	UP1H	43.7	651	UP1M/SV H	6.9			
151	AG	12.9	312	UP1H	4.5	486	SV	8	652	UP6H	5.2			
152	MN1H	314.0	313	SV	4	487	M S	1.2	654	SV	4			
153	UP1H	174.0	314	SV	1.2	488	SV	4	655	G F S	3.2			
154	G F	6.1	315	UP1H	8	489	G CA F	87.8	656	UP1M PO	12.1			
155	PO1H1	4	317	UP1M PO	3.2	490	PO1H1	4	657	SV	1.2			
156	AG CO	4	318	C	1.6	491	G F S	8.1	658	SV	8			
158	C	4	319	G F	4.0	492	UP1H	25.5	659	UP1H	2.0			
159	UP1H	1.6	320	AG CO	15.4	493	C	4	660	SV	4			
160	G F	4	321	UP2H	1.6	494	SV H	5.3	661	G F	6.5			
161	UP1H	10.5	322	G F	4	495	UP1M PO	1.2	662	SV	2.0			
162	G F	7.7	323	SW1H/SV H	6.9	496	UP2H	2.0	663	MN2H	4.9			
164	G F	4	324	SV	6.1	497	UP2H	2.0	667	UP2H	1.6			

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section, 1987.

POHNPEI
SHEET 5 OF 11



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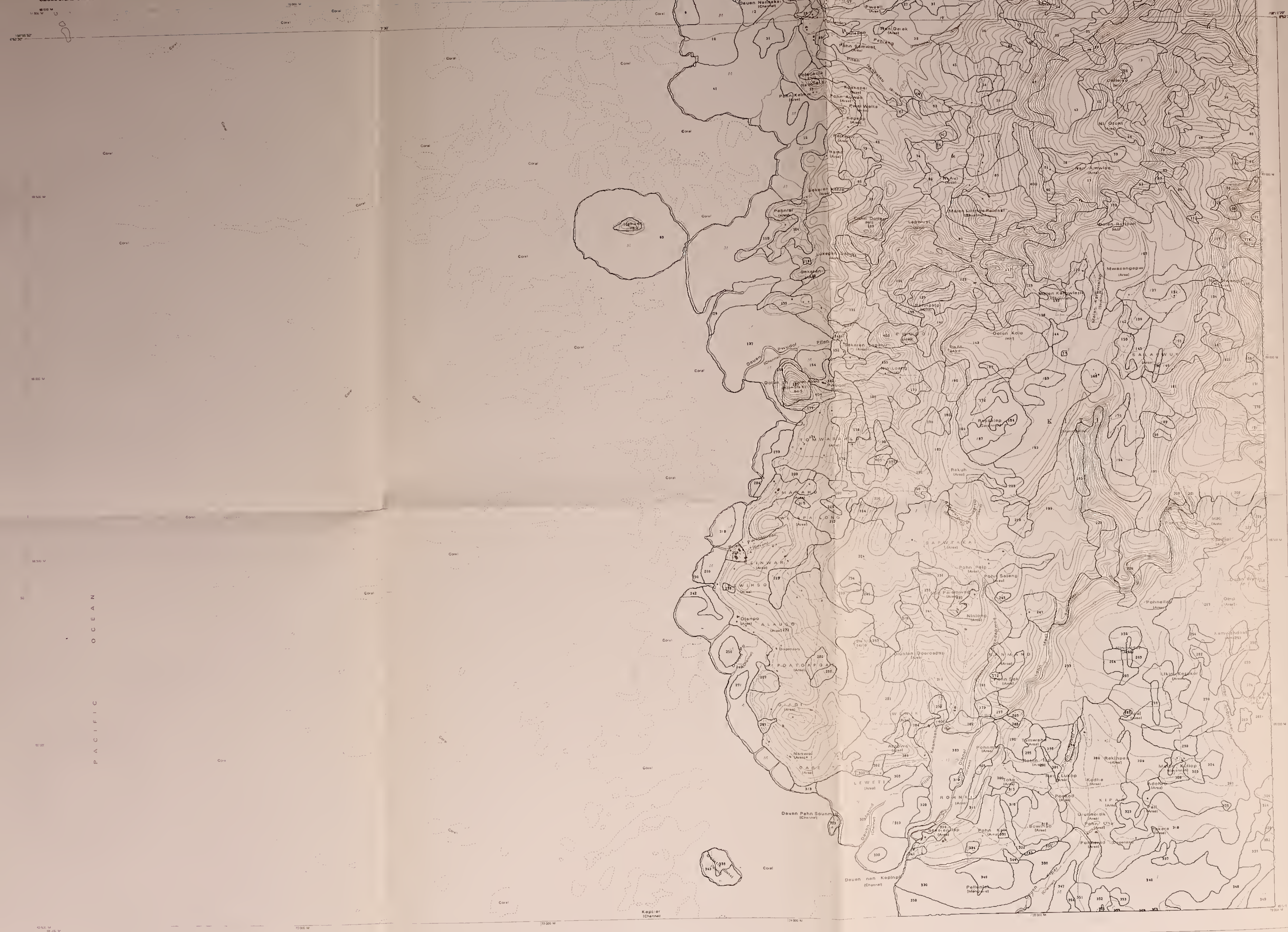


VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)
2	SV	.4
4	SV.V.H	1.2
5	UP2H	.8
6	UP1M.PO	34.4
7	UP2H	7.3
9	MN1H.R	4.0
10	MN2H	22.3
11	MN1H.R	.4
12	MN0H	4.0
14	UP1M	.8
15	AG.CO/SV	9.7
16	UP1M/SV.H	.4
17	AG.CO/SV	5.3
19	PO1H.I	.8
20	UP1M/SV.H	4
21	AG.CO	5.7
22	SV	4
23	UP1L/SV	.8
24	SV	2.8
25	UP1L/SV.H	5.7
26	UP2M/SV.H	26.7
27	SV	.4
28	UP1M/SV.H	87.6
29	AG.CO	1.2
30	UP2H	42.1
31	MN0H.R	4.0
32	SV.H	2.4
33	AG.CO/SV	1.2
34	UP2H	7.3
35	AG.CO	34.8
36	AG.CO	2.8
37	UP1M	4.0
38	UP1H	2.0
39	SV	.8
40	PO1H.I	.4
41	MN1H.R	121.4
42	UP1M.PO	25.9
43	PO1H	18.6
44	SV	.4
45	AG.CO	8.1
47	SV.V.H	14.6
48	UP1H	29.1
49	UP1H	115.3
50	G.F	8
54	PO1H.I	1.2
55	MN2H	11.3
56	PO1H	6.1
58	G.F	4
59	PO1H	3.2
60	SV	2.0
61	SV.V	3.2
62	G.F	1.6
63	G.F	2.8
65	AG.CO	12.1
66	PO1H	5.3
67	UP2H	68.8
69	PO1H	1.6
70	G.F	4
71	AG	7.3
73	G.D	2.4
74	G.F.S	2.0
75	G.F	4
76	SV.H	1.2
78	UP1H	4.9
79	SV	2.4
80	UP1M/SV.H	10.9
81	AG	2.0
82	UP2H	1.6
83	AG	1.2
84	G.F	2.8
85	UP1H	2.0
86	G.F.S	2.8
87	UP1H	13.4
88	PO1H	3.2
89	AG	4
90	UP1M/SV	1.2
91	SV.H	.8
92	UP2H	8.1
93	SV.H	1.6
96	UP1H	47.8
97	UP1H	13.8
98	UP1M/SV.H	3.6
99	MN1H.R	50.2
100	SV.H	2.4
101	UP1M/SV.H	58.7
103	G.F	8.1
104	G.F	10.1
105	SV	4
106	G.G	5.3
107	UP1M.PO	38.0
108	SV	4
109	SW1M/SV	1.6
110	SW1H	5.3
111	SV.V.H	4
112	SV	8
113	UP2M/SV	1.6
114	SV	1.2
115	G.F	4.5
117	UP1H	8.5
118	PO1H.I	4
119	AG.CO	10.9
120	SV	4.5
121	SV.V	39.7
122	G.F	5.7
123	UP2H	3.6
125	UP1H	16.6
126	PO1H.I	8
127	UP2H	8.5
128	MN2H	9.3
129	G.F	4.0
130	UP1H	1.6
131	UP1M/SV.V	10.1
132	AG.CO	8.1
133	G.F	3.6
134	SV.H	3.6
135	AG	5.3
136	UP2H	8.1
137	MN1H	51.4
138	PO1H.I	8
139	UP1M/SV	2.8
141	SV.V	20.2
142	UP1H	2.0
143	UP1H	26.3
144	SV	2.4
145	AG.CO	4.9
146	UP1H	31.6
147	SV	3.2
148	AG.CO	2.4
149	G.F	8
150	G.F	4.5
151	G.D	8
152	U	1.6
153	UP2H	36.0
154	MN1H.S	4.9
155	UP1H	8.1
156	PO1H.I	1.2
157	C	4
158	UP1M/SV	1.2
159	SV	2.8
160	SV.V	5.7
161	UP2M	12.5
162	AG.CO	2.0
163	SV	8.1
165	G.F	6.1
166	AG.CO	25.5
167	SV.H	1.2
168	AG.CO	4.0
169	G.F	21.9

ITEM	LABEL	AREA (HECTARES)
170	SV.H	10.9
171	UP1H	6.1
172	G.G	4.0
173	SV.V	1.2
174	AG.CO	22.7
175	G.F	2.4
176	SV	4.0
177	SV	8
178	UP2H	3.2
179	UP1H	3.6
180	SV	1.6
182	UP1M/SV.H	35.2
184	G.G	4
185	UP2H	21.0
187	G.F.S	5.7
189	SV	1.2
190	SV	2.0
191	UP1M/SV	1.6
192	UP1H	21.4
193	MN2H	5.3
194	UP1M.PO	5.7
195	UP2M	4.9
196	SV	8
197	G.F	4
198	SV.H	4
199	UP1H	163.9
200	SV	2.8
203	SV	4.5
204	MN1H	1.2
205	UP1M/SV.H	4.5
206	UP2H	8.5
207	PO1H	2.0
208	G.F	.8
209	PO1H	1.6
210	SV.V	3.2
211	AG.CO	99.1
212	UP1H	19.8
213	PO1H.I	8
214	PO1H	2.8
215	PO1H.I	8
216	MN2H	7.7
217	UP1H	108.5
218	MN1H	4.9
219	UP1M/SV.H	4.5
220	UP1H	3.2
221	SV	1.6
222	UP2H	4.5
224	UP1M/SV.V	46.1
225	UP2H	2.0
226	UP1H	15.8
227	UP1M.PO	5.3
228	U	1.6
229	SV	6.9
230	MN1H	1.2
231	SV	2.0
232	AG.CO	148.9
233	UP1M/SV.V.H	150.5
234	AG.CO	1.6
235	AG.CO	3.2
236	G.F	2.4
237	G.F.S	4.9
238	SV	4
239	PO1H	1.6
240	MN2H	38.8
241	PO1H.I	1.2
242	MN1H	2.4
244	SV	5.7
245	G.F	8
247	AG.CO	6.5
249	PO1H.I	1.2
251	UP1H	42.9
252	UP2M	2.8
253	UP2H	9.7
254	SV.H	1.6
255	UP1H	3.6
256	MN1H	3.2
257	PO1H.I	.8
258	SV	3.2
259	UP1M/SV	.8
260	UP1H	2.8
261	UP1H	7.3
262	SV.H	1.6
263	SV.V	1.6
264	SV.V	2.8
265	PO1H	1.6
267	SW2M/SV	4.0
268	UP1M/SV.H	2.0
269	SV.V.H	21.9
270	UP1M/SV.H	11.3
271	MN1H	2.0
272	G.F	4
274	SV.H	2.0
275	UP1M/SV.V.H	1.6
276	PO1H	2.0
277	AG.CO	2.0
278	G.F.S	2.0
279	PO1H	1.6
280	AG.CO	53.8
281	UP1H	40.5
282	UP1H	4.5
283	PO1H.I	8
284	G.F	3.2
285	G.F	4
286	G.S	1.6
287	C	1.2
288	UP1M/SV.H	8
289	AG	7.3
290	UP1H	8.1
291	UP1M/SV.H	14.6
293	AG.CO	55.8
294	PO1H.I	1.2
295	AG.CO	3.2
297	AG.CO	26.7
298	UP1H	2.0
299	SV.V	2.4
300	AG	10.9
301	PO1H.I	1.2
302	AG.CO	1.6
303	AG	4.0
304	AG	2.8
305	SV	8
306	G.F	2.8
307	MN2H	39.3
308	MN1H	3.2
309	SW2H	4
310	SV.H	1.2
311	SV.V	3.6
313	MN1H	1.2
314	UP2H	2.0
315	PO1H.I	8
316	UP1M/SV.H	26.7
317	MN1H	8.1
318	SV.H	3.6
319	UP1H	13.8
320	MN2H	2.0
322	PO1H	3.6
323	UP2M	2.8
324	SV	3.6
325	G.F	.4
327	MN1L.D	1.2
328	UP2H	8
329	G.G	2.0
330	MN2H	38.8
331	C	.4
332	SV.H	1.6
333	SW2M	8.9
334	G.G	.8
335	M.F	4

ITEM	LABEL	AREA (HECTARES)
336	MN1H	6.1
337	PO1H	2.0
338	AG.CO	2.4
339	MN1H	1.2
340	M.F.C	34.0
341	G.G	1.2
342	MN1H	4.5
344	C	.8
345	M.F	4
346	MN1H.R	8.1
347	MN1H	4.9
348	SW1H	10.1
349	MN1H.R	4.9
350	MN1H	11.3
351	SW2M	2.8
352	SW1H	2.8
353	PO1H.I	1.2
354	MN2M	.8
355	M.F	.4
356	SW1H	.4
357	SW1H	4
358	SW1H	4
400	SV.V	14.6
401	PO1H.I	4
403	UP1H	6.1
404	UP1H	3.2
405	SV	1.2
406	C	.8

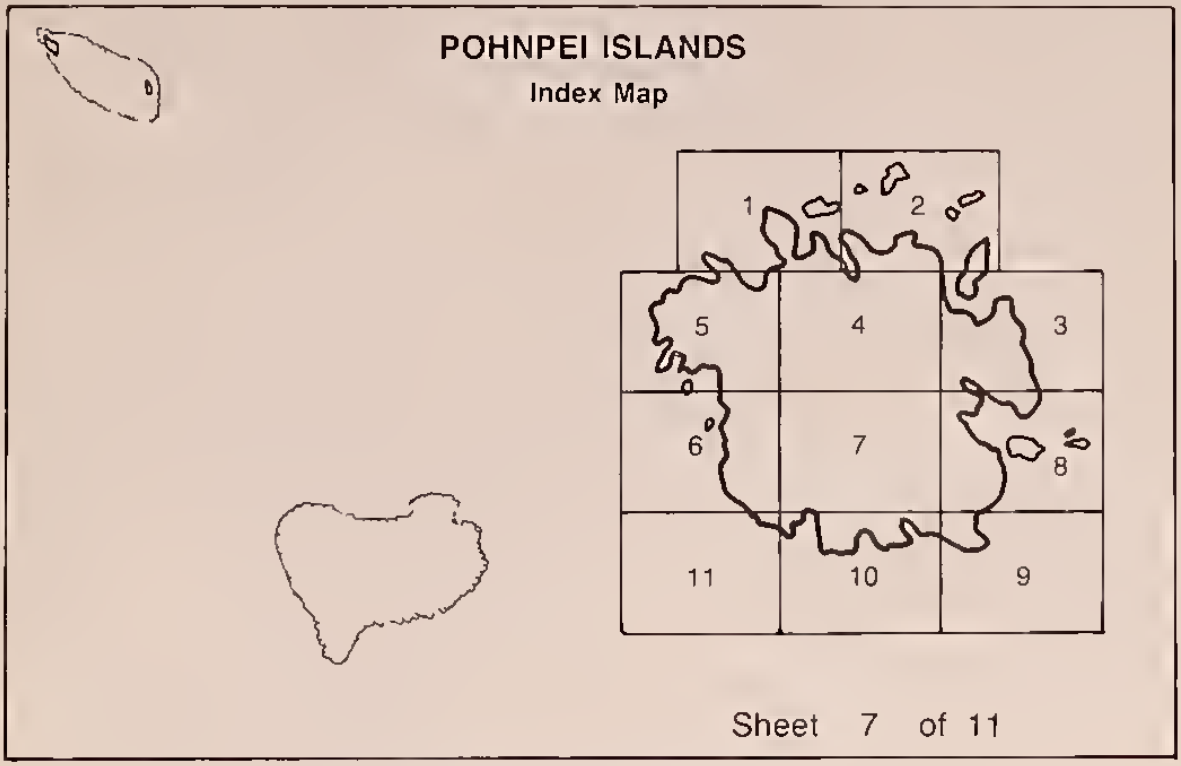
Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Control by USGS and TTPI
Compiled by photogrammetric methods from aerial photographs taken 1971. Field checked 1980. Map edited 1983
Projection and metric grid ticks: Ponape coordinate system (Modified Azimuthal Equidistant)

1:20,000

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section; 1987.



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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
2	UP1L/SV.V.H	103.2	171	SV	.8	350	PO1H	8.9	520	UP1H	2.8	689	SV.V	2.4
3	UP1L/SV.V.H	15.4	172	SV.H	4	351	UP2H	91.1	521	UP1M.PO	1.8	690	SV	.8
4	UP1H	9.3	174	UP1H	6.5	353	PO1H	28.3	522	UP1M/SV	7.3	692	SV.H	.8
6	UP1M/SV.H	.8	175	PO1H.I	.8	354	PO1H.I	4	523	G.F	2.8	693	SV.H	1.6
7	UP1L/SV.V.H	4	176	PO1H.I	4	355	UP1H	.8	524	SV	.8	694	SV	4
9	SV.H	2.8	177	PO1H	.8	356	SV	4.5	525	UP1M/SV	.8	695	SV	3.6
10	UP1H.PO	3.2	178	PO1H.I	.8	357	PO1H	1.6	526	UP1H	2.4	696	UP2H	1.8
11	SV.V.H	7.7	180	PO1H.I	4	358	PO1H.I	1.2	527	PO1M	4	697	PO1H	5.3
12	SV.V	7.7	181	UP1M.PO	86.6	359	UP1H	2.0	529	AG.GO	31.2	698	SV	.8
13	UP1H	3.6	182	UP1H	8.1	361	PO1H	.8	530	UP1H	1.2	699	AG.GO	7.7
14	SV.H	4	183	SV	4	362	PO1H	15.8	531	PO1H	15.8	700	AG.CO	4.0
15	UP1M.PO	72.9	184	PO1H.I	4	363	SV.V	24.7	533	UP2M	.8	701	PO1H	1.6
18	UP1H	97.2	185	PO1H.I	.8	364	PO1H	2.0	534	UP1H	.8	703	SV	9.7
18	UP2H	2.0	186	PO1H.I	4	365	UP1H	11.0	535	PO1H	6.1	704	UP1H	1.2
19	UP1M.PO	6.1	187	SV.BB	1.2	366	UP2H	212.9	536	UP2H	4.5	705	UP1M/SV.V	11.3
20	UP1M.PO	53.4	189	UP1M.PO	5.7	367	PO1H	4	537	AG.CO	4.9	706	UP1M/SV.V	4.9
21	UP1H	1.6	190	PO1H	2.0	368	UP1M/SV	3.6	538	SV	2.8	708	UP1M/SV	8.1
22	UP2H	6.5	191	PO1H	11.3	369	PO1H.I	1.2	539	UP1M/SV.V.H	6.9	710	SV	4
23	UP1H	6.9	192	SV.V.H	5.3	371	SV.H	2.4	540	SV.V	5.7	711	SV	11.3
24	UP1M.PO	4	193	PO1H.I	4	372	PO1H.I	.8	542	UP1H	2.8	712	UP1M/SV.H	9.7
25	UP2H	182.9	194	UP1H	1.6	373	SV	3.2	543	AG.GO	8.9	713	UP2H	1.8
26	UP1H	2.0	195	PO1H	4.5	374	SV	2.0	545	SV	1.2	714	G.F	2.4
27	UP2H	256.6	196	PO1H.I	4	375	SV	3.2	546	G.G	1.2	715	SV	.8
28	UP1M.PO	.8	197	PO1H.I	.8	377	UP1H	20.2	547	UP1M/SV	.8	716	UP1H	2.0
30	PO1H.I	4	198	PO1H.I	4	378	UP1H	.8	548	SV.V	4.0	717	UP1M/SV	4.0
31	SV	1.2	199	PO1H.I	1.2	379	UP1H	4	549	UP1H	1.2	718	SV	.4
32	AG.CO	2.0	200	UP1M.PO	10.5	380	PO1H.I	.8	550	SV	8.5	719	UP2M	1.6
33	SV.H	4.0	201	PO1H	15.0	381	SV.V	.8	551	UP2M	11.3	720	SV.V	13.8
34	AG	1.6	202	UP1H	4	382	UP2M	6.1	552	SV.H	1.6	724	UP2M	1.6
35	UP1M	.8	203	UP1M.PO	4.9	383	SV	1.6	553	UP1H	11.7	725	UP1H	10.1
36	UP1M/SV.H	15.0	204	PO1H	4	384	G.F	.8	554	PO1H	3.2	726	UP1H	1.6
38	AG.CO	2.4	209	SV	4	386	PO1H	6.5	555	PO1H.I	.8	727	UP1M.PO	5.6
40	UP1H	32.0	211	SV.V.H	11.3	387	UP1H	45.7	557	SV	1.6	728	G.F.S	2.0
42	UP1M/SV	6.1	212	PO1H.I	4	388	SV.V.H	1.6	558	UP1M/SV.V	19.4	729	UP1M/SV	2.8
43	SV.V.H	10.9	214	UP1H	213.7	389	PO1H	673.0	559	SV.H	4.5	730	SV.H	1.6
44	SV	4	215	UP1M	1.2	390	G.G	2.4	560	UP1M/SV.H	4.5	731	PO1H.I	4
46	PO1H	4	216	PO1H.I	4	391	UP1H	186.2	564	UP2M	3.6	732	SV.H	2.0
47	PO1H	4.9	217	PO1H.I	1.2	392	M.F	7.3	565	UP1H	8.5	733	UP1H	2.0
48	SV.H	1.6	218	SV	4	393	SV.V	2.4	566	UP2H	10.9	734	SV	1.2
49	G.F.S	2.0	219	SV.H	.8	394	PO1H	2.4	567	SV	1.2	735	SV.V.H	3.6
50	SV.V	2.4	220	SV	4	396	UP1H.PO	10.1	568	SV	4	736	MN1H.R	26.3
51	UP1H	138.7	221	SV	1.2	398	UP1M/SV	3.2	569	AG.CO	10.9	737	G.F	4
52	SV.H	2.0	222	SV.H	4	399	SV.V	4	571	UP1H	9.3	738	PO1H	2.8
53	PO1H.I	4	223	G.F	.8	400	UP1H	2.0	572	PO1H.I	1.2	739	SV.V	3.6
54	PO1H.I	4	224	UP1H	4	402	PO1H	2.0	573	SV.V.H	31.6	740	PO1H.I	1.2
55	PO1H	2.0	225	PO1H	7.7	403	M.F	1.6	575	SV	1.2	741	UP1H	4
56	PO1H	1.6	226	SV	.8	404	UP1M/SV	6.9	577	SV	4	742	PO1H.I	.8
57	SV.H	.8	227	PO1H.I	.8	405	SV.V	4	578	G.F	4	743	M.F	4
58	SV	4.5	228	PO1H.I	4	406	UP1H.PO	115.7	579	UP1M/SV.H	34.8	744	UP1M.PO	16.2
60	UP2M	8.5	229	UP1L/SV.H	2.0	407	PO1H	10.0	580	UP1M/SV.H	8.5	745	M.F	4
61	PO1H.I	.8	230	PO1H	2.0	408	SV.H	12.9	581	PO1H	1.6	746	UP1M/SV	7.7
62	UP1H.PO	5.7	231	SV	.8	409	SW1M/SV.H	2.8	583	UP1H	34.4	747	SV.H	4.9
63	SV.V.H	78.1	232	PO1H.I	.8	410	G.G	3.2	584	AG.CO	5.7	748	SV.H	1.2
64	G.P	1.2	234	G.G	.8	412	UP2M	12.5	585	PO1H	3.6	749	UP1H	2.8
65	SV.V.H	33.2	235	PO1H.I	4	413	UP1H	7.3	586	UP1H	12.9	750	SV.H	2.4
66	SV.H	3.2	237	SV	4	414	SV	27.1	587	SV	4	751	UP1H	2.8
67	UP1H	77.3	238	PO1H.I	4	415	SV.V	4.9	588	PO1H.I	1.2	752	UP1H	2.8
68	SV.H	4	239	PO1H.I	4	417	UP1H	.8	589	SV	1.2	753	MN2H	2.4
69	PO1H	4.9	243	PO1H	2.8	418	UP2H	8.1	590	AG.CO	21.9	754	SV	.8
70	SV.H	4.9	244	SV.H	1.2	419	SV	.8	591	UP1M/SV.V	9.7	755	PO1H	2.4
71	SV.V	3.6	245	PO1H.I	4	420	UP1H	2.8	592	SV	7.3	756	SV	2.0
73	UP2H	.8	246	PO1H.I	4	421	UP1M/SV.H	5.3	593	UP2H	32.8	757	SV	.8
74	G.F	3.2	247	SV.H	4	422	UP1M/SV.H	31.2	594	UP1H	114.9	758	UP1H	4.0
75	PO1H	1.2	248	PO1H.I	.8	423	SV.V	7.3	595	PO1H	4.0	760	MN2H	.8
77	PO1H	7.7	249	PO1H	3.2	424	PO1H	1.2	596	SV	4.9	761	SV.H	2.0
78	SV	1.2	250	UP1L/SV.V	1.2	425	UP2H	15.8	597	SV	.8	762	AG	4.0
79	PO1H	2.0	251	PO1H	6.1	426	M.F	7.6	598	UP1H	4.5	764	MN2H	2.0
80	AG.CO	2.4	252	UP1H	76.9	427	UP2H	74.5	599	SV.H	1.2	765	UP1H	18.2
81	UP1M	6.1	254	UP2H	18.6	428	PO1H	3.2	600	UP1H	3.2	766	SV.H	2.4
82	UP2H	8.5	255	PO1H	1.6	429	UP2M	20.2	601	SV	4	768	PO1H	3.2
83	UP2H	2.4	256	G.F	2.8	430	UP1H	2.0	603	SV.H	.8	769	SV.V.H	12.1
84	UP1L/SV.V.H	29.5	257	UP1H	1.6	431	UP1M/SV.H	34.8	604	SV.H	1.6	771	SW2M	4
85	UP1L/SV	.8	259	SV	4	433	UP2M	9.3	605	UP2M	4.5	772	G.F	2.8
86	PO1H	9.3	260	SV.H	2.0	435	SV.V.H	46.1	606	PO1H	7.3	774	MN2H	21.4
87	PO1H	4.0	262	G.G	1.2	436	UP1M/SV	7.3	607	UP2H	26.3	775	UP1H	.8
88	UP1H	15.0	263	UP1H.PO	6.5	437	SV.V	22.5	608	UP1M/SV.V.H	15.0	776	PO1H.I	.8
89	PO1H	1.2	264	UP1H	1.2	438	UP1H	19.4	609	UP1M/SV	4.5	777	SV	1.6
90	AG	51.0	265	SV	4	439	SV.V	2.4	610	AG.CO	8.1	778	UP2H	3.2
91	UP1M.PO	3.2	267	PO1H	2.8	440	UP1H	9.3	611	SV	.8	779	SV	4
92	PO1H.I	4	268	PO1H	2.0	441	UP2M	6.1	612	AG.CO	14.6	780	PO1H.I	9
93	AG.CO	4.9	269	PO1H	9.0	442	UP1H	2.0	613	PO1H	2.0	781	PO1H	2.0
94	PO1H	1.6	270	UP2H	2.8	443	UP1H	3.2	614	UP1M/SV.V	5.7	782	G.F	6.1
96	UP1M/SV.H.V	8.9	271	PO1H.I	.8	445	UP2M/SV.V.H	7.7	615	PO1H.I	.8	783	UP1H	1.2
97	PO1H.I	4	272	PO1H	1.2	447	SV	2.0	616	PO1H.I	1.2	784	G.F	.8
98	PO1H	12.9	273	UP1M/SV.H	22.7	448	UP1H	4	618	UP1M/SV	8.9	785	MN2H	8.5
99	PO1H	3.6	275	SV	4	449	SV.H	8.5	619	UP1H	2.9	786	UP2H	7.3
100	PO1H.I	.8	276	G.G	.8	450	UP1H	3.6	620	SV	.8	787	PO1H	3.2
101	PO1H	2.8	277	SV.V	4	451	SV	4	621	PO1H	1.6	788	UP1M/SV	4.0
102	SV.V	1.2	278	PO1H	1.2	452	SV	49.0	622	SV	6.9	789	PO1H.I	1.2
103	PO1H	37.6	279	PO1H.I	4	453	UP1H	1.6	623	UP1H.PO	29.7	790	UP2H	4.9
104	SV.H	1.2	280	UP1H	1.2	454	UP1H	2.0	624	AG	3.2	791	G.F	.8
105	UP1H	1.6	281	SV	4	455	SV	1.2	625	UP2M	3.2	792	SV.H	1.2
106	SV.V.H	4.5	282	UP1M.PO	23.5	456	UP1M.PO	5.3	626	SV.H	3.2	793	UP1M.PO	9.3
107	UP1H.PO	2.0	284	PO1H	1.2	458	SV	12.1	627	UP1H	10.9	794	UP1H	3.2
109	PO1H	1.2	285	UP1M.PO	4.9	459	UP2M	5.3	628	AG.CO	3.6	795	SV	1.6
110	SV.V	.8	286	UP1H	4.5	460	G.G	6.9	629	PO1H.I	1.2	797	PO1H.I	4
111	PO1H	3.6	287	PO1H	.8	461	UP1H	.8	630	SV	.8	798	SV	.8
112	UP2H	3.2	288	PO1H.I	.8	462	SV.V	12.9	632	UP1H/SV.V	11.3	799	U	1.6
114	PO1H	2.0	289	G.F	1.6	463	UP1M/SV	2.4	633	UP2M	2.7	800	MN1H.R	2.0
115	PO1H.I	.8	290	G.F	4	464	UP1H	2.0	634	SV	4.9	801	SV	1.2
117	G.F	1.2	291	UP2M	10.5	465	SV	2.0	635	PO1H.I	4	802	UP1M/SV	.8
118	UP1H	52.6	293	PO1H.I	.8	466	UP1H	3.2	636	G.F	4	803	MN2H.R	1.2
119	PO1H.I	.8	294	UP1H	17.0	467	UP2H	7.3	637	UP1H	12.1	804	UP2H	4
120	UP2H	.8	295	PO1H.I	.8	468	SV	4	638	UP1M/SV	4.0	805	PO1H	1.6
121	PO1H.I	1.2	296	PO.1H	1.6	469	SV	.8	639	UP1H	2.0	806	UP2H	4
122	UP2H	2.4	297	UP2H	2.4	470	UP1H	3.6	642	PO1H.I	.8	807	SV	4
123	PO1H	7.3	299	PO1H	.8	471	PO1H	7.7	643	SV	1.6	808	UP1M/SV	.8
124	UP1H	6.1	300	UP2H	146.1	472	AG.CO	9.3	644	AG.CO	82.2	809	AG.CO	4
125	PO1H	37.2	302	SV.V	4.5	473	SV	4	645	AG.CO	3.6	810	MN2H.R	4
126	UP2H	9.7	303	G.S	2.8	474	AG	1.6	646	UP1M/SV.V	10.1	811	UP2H	4
127	PO1H	5.3	304	PO1H.I	4	475	PO1M.UP	15.4	647	PO1H	1.6	812	UP2H	4
128	PO1H	3.2	305	UP1M/SV.H	8.1	476	G.F	2.0	648	SV.V	5.7	813	UP1M.PO	4
129	PO1H	3.2	306	SV	.8	477	UP1H	7.3	649	PO1H	1.6	814	UP2H	4
130	PO1H	4	307	PO1H.I	4	478	UP1H	8.5	650	PO1H.I	.8	815	U	4
131	PO1H.I	4	308	PO1H	5.6	479	PO1H	2.0	651	UP2H	55.8	816	UP2H	4
132	UP2H	19.0	309	PO1H	4	480	UP1H	26.3	652	UP1M.PO	21.4	817	UP1M/SV	4
133	SV.V.H	31.6	310	PO1H	2.0	481	UP1H	12.1	653	SV.V	1.2	818	MN2H	4
134	UP1M	6.9	311	UP1M/SV	1.2	483	UP1H	13.8	654	SV.V	1.6			
135	UP1H	8.1	312	UP2H	3.6	484	UP1M/SV.V	11.7	655	PO1H.I	.8			
136	UP1M.PO	17.8	313	PO1H	4.0	485	UP2L/SV.H.V	20.6	656	PO1H.I	1.2			
137	PO1H.I	1.2	314	PO1H	4	486	UP1M.PO	10.1	658	AG.CO	12.1			
138	PO1H.I	.4	315	UP1H	1.2	487	UP1H	4.5	659	UP1H	33.6			
139	UP2M	10.1	316	PO1H	4.9	488	SV	1.6	661	SV.V	2.4			
140	PO1H	5.3	319	UP1H	6.5	489	UP1H.PO	64.0	662	AG.GO	269.7			
142	PO1M	8.5	320	M.F	4	490	AG.CO	1.2	663	SV.H	1.6			
143	PO1H.I	4	321	G.F	4.0	492	UP1M/SV	23.9	664	UP2H	10.5			
144	UP1M.PO	40.1	322	UP1H	.8	493	UP1H	1.2	665	G.S	1.2			
145	PO1H.I	.4	324	UP2H	8.1	494	PO1H	7.3	666	AG.CO	2.4			
148	PO1H.I	.4	325	UP1M/SV.H	35.2	495	UP2M	4.9	667	PO1H	4.0			
149	UP1H	15.4	326	PO1H.I	4	496	UP2H	145.9	669	SV.H	1.2			
150	PO1H.I	4	327	G.G	1.6	497	UP1H	2.0	670	UP2H	12.1			
151	UP1H.PO	7.7	328	UP2M	1.2	498	UP1H	4	671	UP1H	4.5			
152	UP2H	2.8	330	PO1H	3.6	499	SV	4	672	PO1H.I	.4			
153	PO1H	1.6	331	PO1H	2.4	500	SV	4	673	AG	6.5			
154	UP1H	4.0	332	PO1H	4.5	501	UP1H	66.4	674	PO1H	1.6			
155	PO1H.I	4	333	UP1H	10.5	503	PO1H	4.0	675	PO1H.I	.8			
156	PO1H.I	.8	334	SV.V	4	505	G.F	2.8	676	UP1H	.8			
157	UP1M.PO	54.6	335	PO1H	31.6	506	SV	.8	677	SV	.4			
158	PO1H	6.9	337	UP2H	2.0	507	UP1H	3.6	678	PO1H	3.6			
159	SV.H	5.3	338	G.F	4	508	UP1H	3.6	679	UP1H	2.4			
161	UP2H	16.2	340	UP1H	6.9	510	G.F	.8	681	UP1H	8.5			
162	PO1H	.8	341	UP1H	3.2	511	PO1H.I	1.2	682	UP1H	9.3			
163	PO1H.I	.4	342	UP1H	34.0	512	G.F	1.2	683	UP1H	2.0			
164	PO1H.I	.4	343	UP1M.PO	4.9	514	SV	4	684	SV	2.4			
166	PO1H.I	4	344	UP1H	8.9	516	SV	.8	685	SV.H	.8			
168	UP1H	75.7	345	PO1H	.8	517	SV	.8	686	SV.H	1.6			
169	PO1H.I	.8	348	PO1H.I	1.2	518	UP1H	4.5	687	SV.H	2.4			
170	UP2H	23.5	349	PO1H	4.0	518	UP2H	4.0	688	PO1H				

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in cooperation with Trust Territory of the Pacific Islands
Control by USGS and TTPI
Compared to photographic planimetry and field surveys by photogrammetric methods 1973. Field checked 1978. Map edited 1981
Projection and tick and grid ticks: Transverse Mercator coordinate system
Modified Astrolabe Ellipsoid

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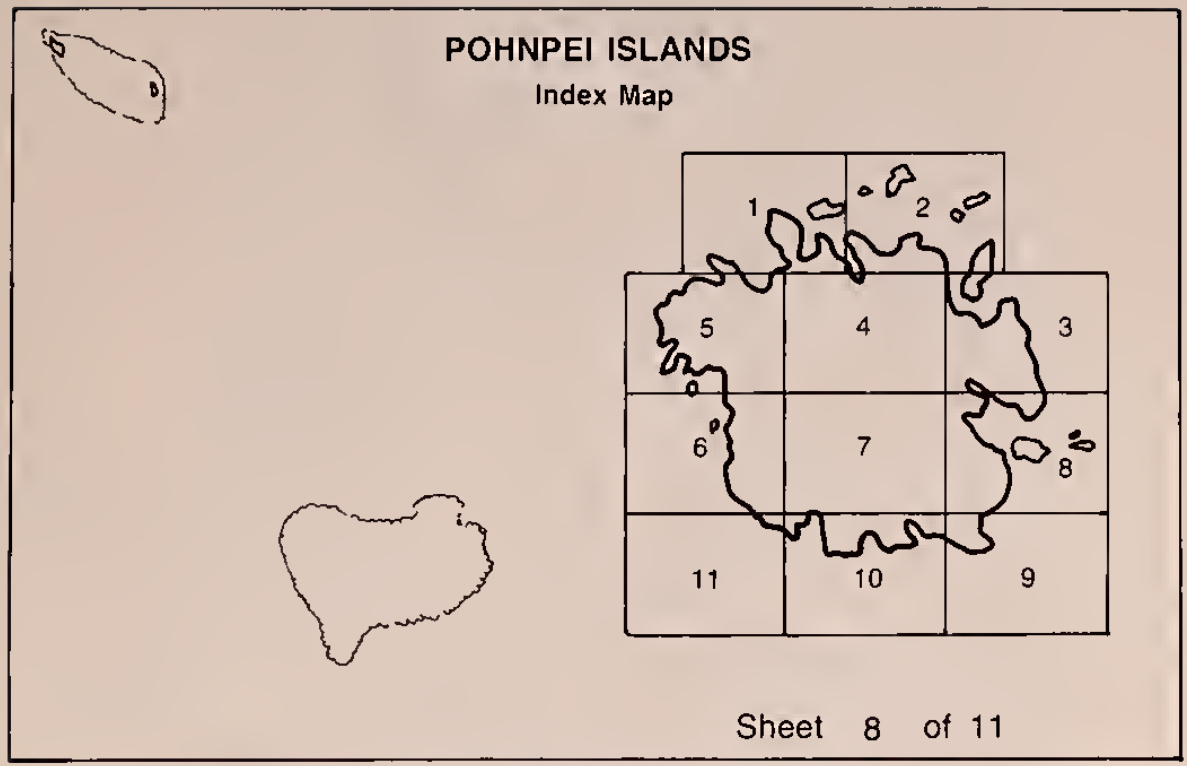
CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture.
Cartography by Alan H. Ambachar, USDA - Forest Service, Pacific Southwest Region, Engineering Geomatronics Section; 1987.

POHNPEI
SHEET 7 OF 11



MacLean, Colin D.; Cole, Thomas G.; Whitesell, Craig D.; Falanruw, Marjorie V.; Ambacher, Alan H. Vegetation survey of Pohnpei, Federated States of Micronesia. Resour. Bull. PSW-18. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1986. 9 p. + 11 maps.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
3	AG CO	32.8	172	UP1M/SV.H	57.9	337	UP1H	1.6
4	MN1H	.8	174	SW	1.6	338	UP1M/SV H	2.0
6	MN2H	4.9	175	AG CO	1.2	339	UP1M/SV H	34.4
7	SV V H	.8	176	MN1H	.4	340	UP1H	.4
8	SV V H	3.6	177	MN1H	4.5	341	SV	9.2
10	SV.V	1.6	178	UP1H PO	6.9	342	U	.8
11	SV.V	2.4	179	SV	.4	343	AG CO	1.6
12	AG CO	1.2	180	SV.H	2.4	344	C	.4
13	PO1H 1	.4	181	MN1H	.8	345	C	.4
14	UP1M	.8	182	PO1H 1	1.2	347	PO1H 1	1.2
16	PO1H 1	.4	183	MN1H	5.7	348	SV	.8
17	UP1H	5.3	184	AG CO	9.3	349	UP1H	2.0
18	AG CO	.8	185	MN2H	1.6	350	AG CO	.8
19	UP1H	.4	186	PO1H 1	.8	351	UP2M	8.1
20	AG CO	26.7	188	U	.8	352	SV H	1.6
21	MN1H	25.5	189	SV V H	2.8	353	AG CO	3.6
22	MN1H	49.4	190	UP2M	1.2	354	SV	.4
24	MN1H R	.4	192	AG CO	2.0	355	SV.V	2.0
25	MN1H	25.1	193	UP3M	12.1	356	MN1H R	5.3
27	W	.4	194	UP1H	1.6	357	SV H	2.0
28	SV.V H	42.5	195	SV V	.8	358	SV H	1.2
29	AG CO	.4	196	UP1H	10.1	359	UP1M PO	2.8
30	UP1M/SV H	11.3	197	MN1H	2.0	360	UP1M/SV H	.8
31	SV	.4	198	SV V	3.2	361	AG CO	.4
33	UP1L/SV.V H	7.7	199	PO1H 1	.8	362	UP2M	.8
34	G F	2.8	200	U	2.4	363	MN1H	.4
35	M F P	.4	201	MN1H	4.5	364	MN2H	.4
36	SV	.8	202	G G	.4	365	SV.H	.4
37	AG.CO	.8	204	UP1H	2.4	366	SV.H	.4
38	UP1M/SV H	52.2	205	U	4.0	367	G G	.4
39	AG.CO	2.8	206	MN2H	1.2	400	SV H	1.2
40	PO1H 1	.8	207	U	10.1	401	PO1H 1	.4
41	G F	1.2	208	SV	1.2	402	AG CO	3.2
42	AG CO	27.5	209	M F C	1.6	403	AG CO	1.2
43	SW2H	25.1	210	CO H	119.8	404	SV H	2.8
44	SV V	4.0	211	AG CO	3.6	405	SV H	3.2
45	UP1M/SV	9.7	212	SV H	6.5			
46	AG	3.2	213	MN1H	2.4			
47	PO1H 1	.4	215	MN2H	10.9			
48	G F S	.4	217	MN1H	18.6			
50	UP1M/SV H	12.9	218	MN1H	.4			
51	SW V	2.8	219	UP1M/SV H	9.7			
52	G F	.8	221	UP1H	1.2			
53	MN2H	29.5	222	AG	3.6			
54	MN2H	1.6	223	M F	.4			
57	MN2H	4.5	224	PF1H	1.2			
58	SW	2.0	225	AG CO	1.2			
59	UP1M/SV	6.1	226	SV	.8			
60	AG CO	1.2	227	MN1H	.4			
61	AG CO	4.5	228	MN1H	.8			
62	AG CO	3.6	229	UP1H	2.0			
63	MN1H	15.8	230	AG CO	2.8			
64	SW	4.9	231	AG CO	2.8			
65	AG CO	27.9	232	AG CO	6.1			
66	MN2H S	10.1	233	AG CO	.8			
67	G F	.8	234	PF1H	3.6			
69	C	1.2	235	UP1M/SV H	136.0			
70	G F	.8	236	SV	1.2			
71	SW	.8	237	SV.H	14.2			
73	G F	.8	239	W	.4			
74	AG	8.9	240	MN1H	1.2			
75	PO1H 1	.8	241	UP1M/SV H	2.8			
76	G F	2.0	242	MN2H	3.2			
77	AG	13.4	243	MN1H	2.8			
78	MN2H S	32.8	244	G B	1.6			
79	AG	2.0	245	UP1U/SV	2.4			
80	MN1H	14.6	246	UP1M/SV	8.5			
81	SV V H	13.4	247	SV BB	2.8			
82	PO1H 1	.4	248	MN1H	.4			
83	SV V	1.2	249	UP1H	6.9			
84	UP1H	4.5	251	UP1M/SV H	5.1			
85	MN1H N	.4	252	MN1H	.4			
86	AG CO/SV	11.7	253	C	12.5			
87	C	.4	254	MN1H	.4			
88	SV H	2.5	255	U	1.6			
89	AG CO	10.1	256	MN1H	.4			
90	UP2M	1.6	257	UP1M	1.6			
91	AG CO	9.3	258	MN1H R	85.4			
92	MN2H	4.0	259	MN1H	.4			
93	UP1H	3.6	261	SW1H	3.6			
94	AG	3.2	263	G G	4.0			
95	SW H	.8	264	AG CO	22.1			
96	UP1M/SV V	5.3	265	SV H	2.4			
97	UP1L/SV H	52.2	266	U	.4			
98	SV V H	8.9	267	PO1H	1.6			
99	SV V H	4.0	268	SV H	4.0			
100	UP1H	11.7	270	UP1M/SV H	.4			
101	MN1H	3.6	271	SV H	2.0			
102	AG CO	3.2	272	UP2H	2.0			
104	MN1H	1.2	273	UP2H	11.3			
105	AG CO	.4	274	SV	.4			
106	AG CO	1.2	275	UP1M/SV H	.4			
107	PO1H	3.6	276	G F	.8			
108	AG CO	7.3	277	SV H	1.2			
110	G G	.4	278	AG CO/SV	4.0			
111	UP1L/SV V	11.3	279	SW1M/SV	24.3			
112	MN1H	.4	280	PO1H	10.5			
113	MN1H	.8	282	UP1H	12.9			
114	MN2H	2.0	283	SV.H	2.8			
115	AG CO	1.6	285	C	.8			
116	UP1H	22.3	286	SV	1.2			
118	PO1H 1	.4	287	AG	1.6			
119	AG CO	21.9	288	SV	.4			
122	SV V	2.8	289	SV H	4.5			
124	SV V	.8	290	AG CO/SV	96.3			
125	UP1H PO	28.3	291	AG CO	1.2			
126	MN1H	8.5	292	MN2H	6.1			
127	UP2H	1.2	293	UP1H	85.4			
128	PO1H	2.0	294	G F	6.9			
129	AG CO	12.5	295	MN1H	.8			
130	MN1H	.8	296	MN2H	6.9			
131	SV V	1.6	297	AG CO	28.3			
132	UP1M/SV H	30.8	298	PO1H 1	1.2			
133	SV	2.4	299	PO1H 1	.8			
134	AG CO	1.2	300	SW2M	15.4			
135	MN1H	20.2	301	SV H	3.2			
136	U	1.2	302	AG CO	2.0			
137	MN2H	6.5	303	MN1H	.8			
138	UP1H	18.6	304	MN1H	1.6			
139	UP2M/SV H	13.4	305	G F	2.0			
140	C G	.4	306	UP1H	1.2			
141	MN1H	.4	307	PO1H/SV H	6.9			
143	PO1H	2.4	309	SW1H	4.9			
145	C	1.2	311	SV H	.8			
146	AG	.8	312	SV H	1.2			
147	AG CO	2.8	314	MN2H	49.4			
148	MN1H	1.2	315	G F	.4			
149	AG CO	2.4	316	G F	3.6			
150	SV	1.2	317	AG CO	1.6			
151	AG CO	.8	318	PO1H 1	.8			
153	MN2H	1.6	319	PO1H 1	.4			
154	SV	6.9	320	SW1M/SV H	10.1			
155	UP2U	12.5	321	G F	.4			
157	AG CO	53.0	322	AG CO	66.9			
158	AG CO	.4	323	SW2M	1.2			
159	UP2M/SV H	49.0	324	PO1H 1	.8			
160	AG CO	1.6	325	PO1H	1.6			
161	AG CO	2.4	326	UP2M	4.9			
162	AG CO	12.5	327	AG CO	1.2			
163	MN1H	.8	328	SW1H	1.2			
164	MN2H	6.9	329	SW2H	14.6			
165	AG CO	3.6	330	PO1H 1	.8			
166	MN1H	2.8	331	AG CO/SV	3.2			
167	UP1H	8.5	332	SV	1.2			
168	MN2H	1.6	333	SV	.4			
169	C	2.0	334	G F	4.0			
170	UP2H	4.5	335	UP1H	15.9			
171	AG CO	1.2	336	AG CO	57.5			

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Control by USGS and TTPI
Compiled by photogrammetric methods from aerial photographs taken 1971. Field checked 1980. Map edited 1981
Projection and grid ticks: Transverse Mercator
(Modified Automated Equidistant)

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KILOMETER

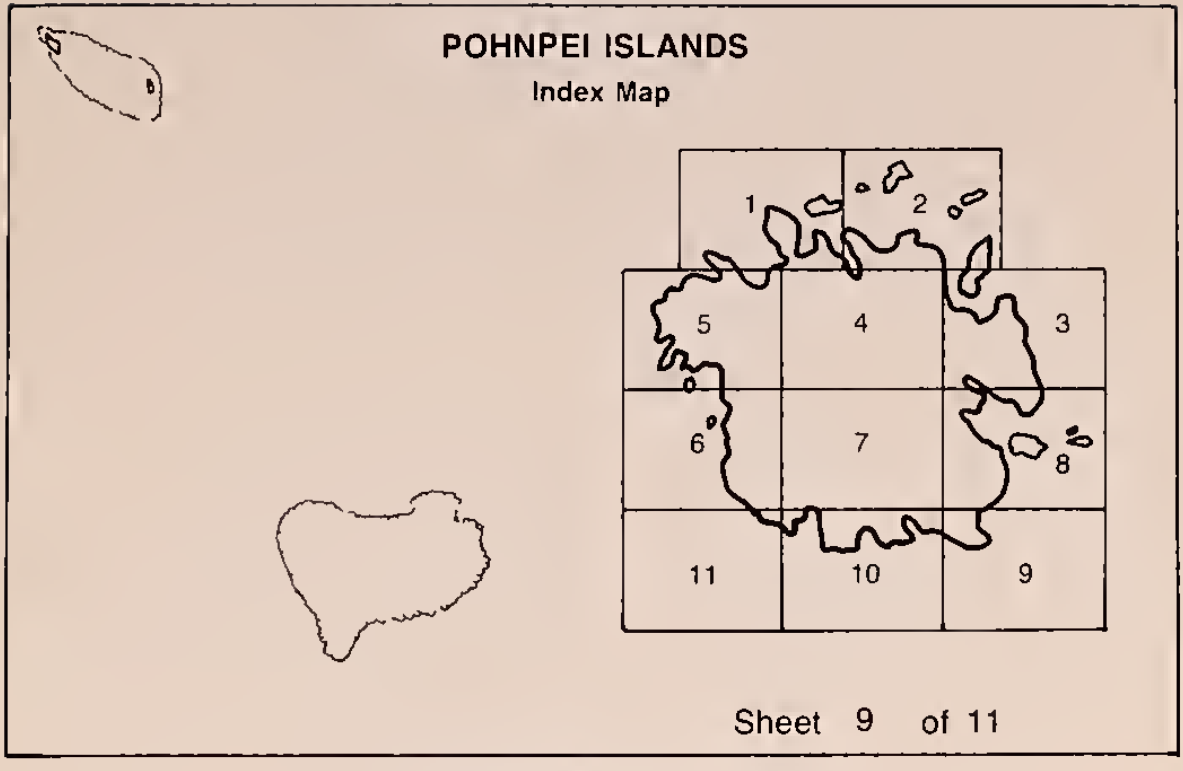
NAUTICAL MILE

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Range Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section; 1987.

POHNPEI
SHEET 8 OF 11



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UNITED STATES
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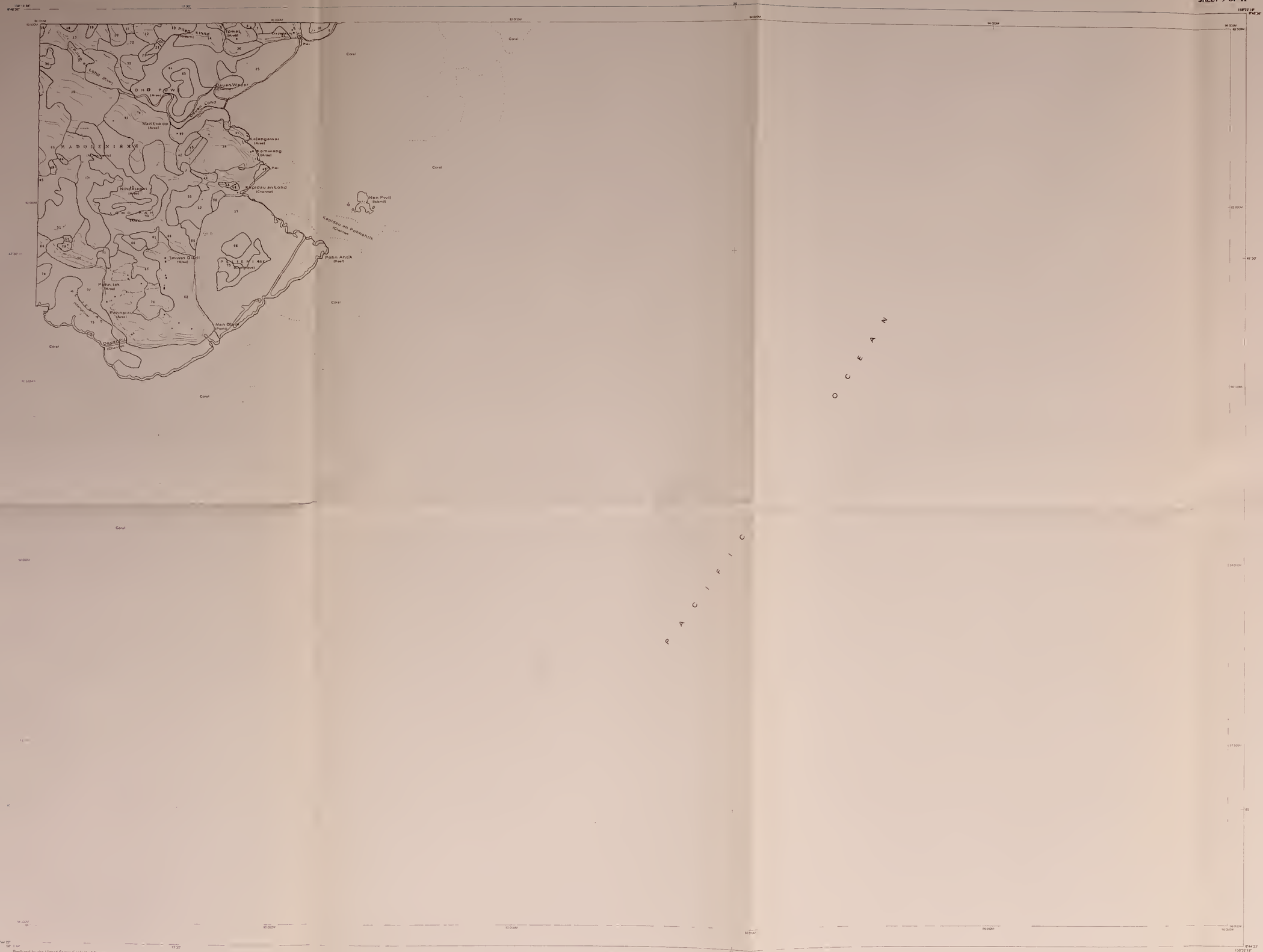

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Compiled by photogrammetric methods from aerial photographs taken 1973. Field checked 1980. Map edited 1981

Projection and marginal grid ticks: Polyconic projection
(Modified Polyconic of Expedition)

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1 KILOMETER

1 NAUTICAL MILE

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THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

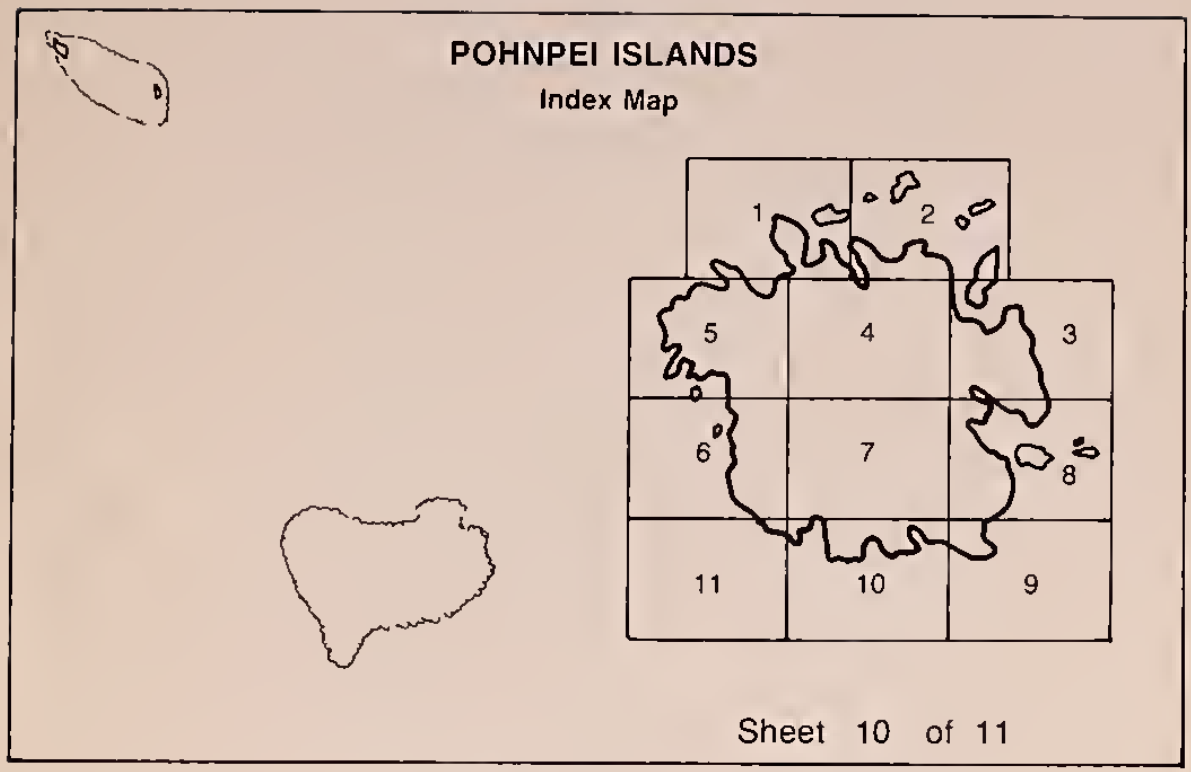
VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)
3	MN2H	.8
4	UP1M/SV,H	.4
5	AG	3.2
6	AG,CO	.4
7	PO1H,I	.4
8	AG,CO	3.2
9	MN2H	2.8
10	MN1H,R	1.2
11	SV	.8
12	AG,CO	2.8
13	UP1M/SV,H	3.2
14	MN1H	6.1
16	UP1H,PO	.4
17	SV,H	8.9
18	UP1M,PO	.8
19	AG,CO	.8
20	UP2H	2.4
21	SV,H	2.4
22	UP1H	6.5
23	MN2H	26.7
24	SW2M	.4
25	MN1H	15.8
26	SW1M/SV	2.8
27	M,F	2.8
28	UP1M/SV,H	23.1
29	M,F,P	1.2
30	SV,H	1.6
31	AG,CO	29.1
32	UP2M	4.0
34	MN1H,R	8.1
35	MN2H	2.8
36	UP1M,PO	12.9
37	MN2H	6.5
38	AG,CO	16.2
39	UP2M/SV,H	40.1
40	SV,H	12.9
41	MN1H	1.2
42	UP1M/SV,H	3.6
43	PO1H,I	.8
44	SV	.4
45	UP2H	8.1
46	SV	.4
48	MN1H	.8
49	SV,H	1.6
50	SV,H	4.0
51	UP1M/SV,H	12.1
52	UP2M/SV,H	11.7
53	AG,CO	.4
54	SV	.4
55	UP1H	5.3
56	MN1H,R	1.2
57	MN1H,R	67.6
58	AG,CO	8.9
59	SV,H	2.0
61	SV,H	2.0
62	AG,CO	51.4
63	UP1H	1.6
64	MN2H	3.2
65	UP1M/SV,H	6.1
66	UP2M	1.6
67	G,S	.4
68	MN2H,R	4.9
69	G,G	.8
71	SV,H	1.2
72	MN2H	33.6
73	MN2M	2.0
74	MN1H,R	1.6
75	MN1H,R	19.4
76	AG	6.1
100	M,F	.4
101	UP1H	17.0

Vegetation map compiled by Pacific Southwest Forest and Ranger Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Allan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geomatronics Section; 1987.

POHNPEI
SHEET 9 OF 11



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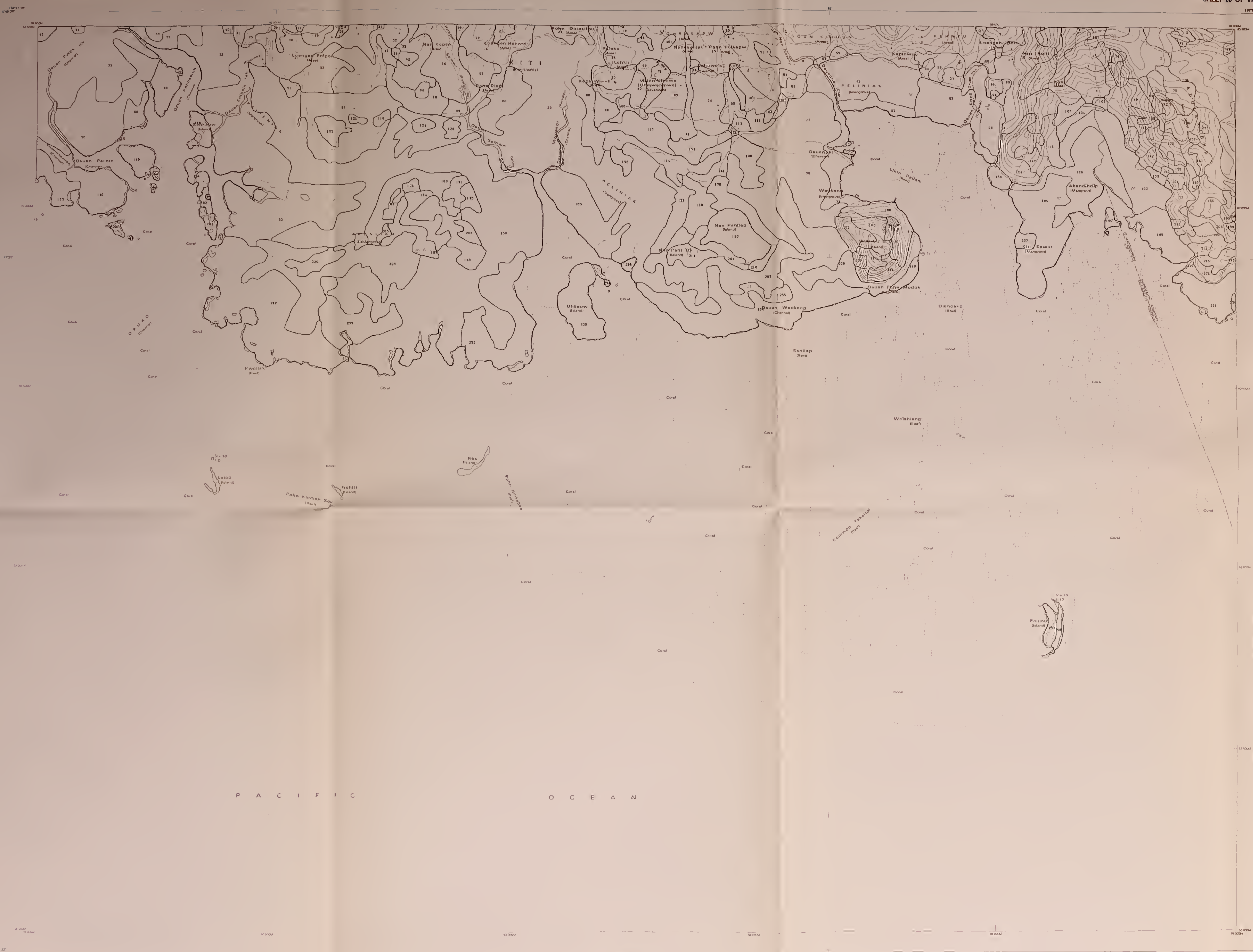

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CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

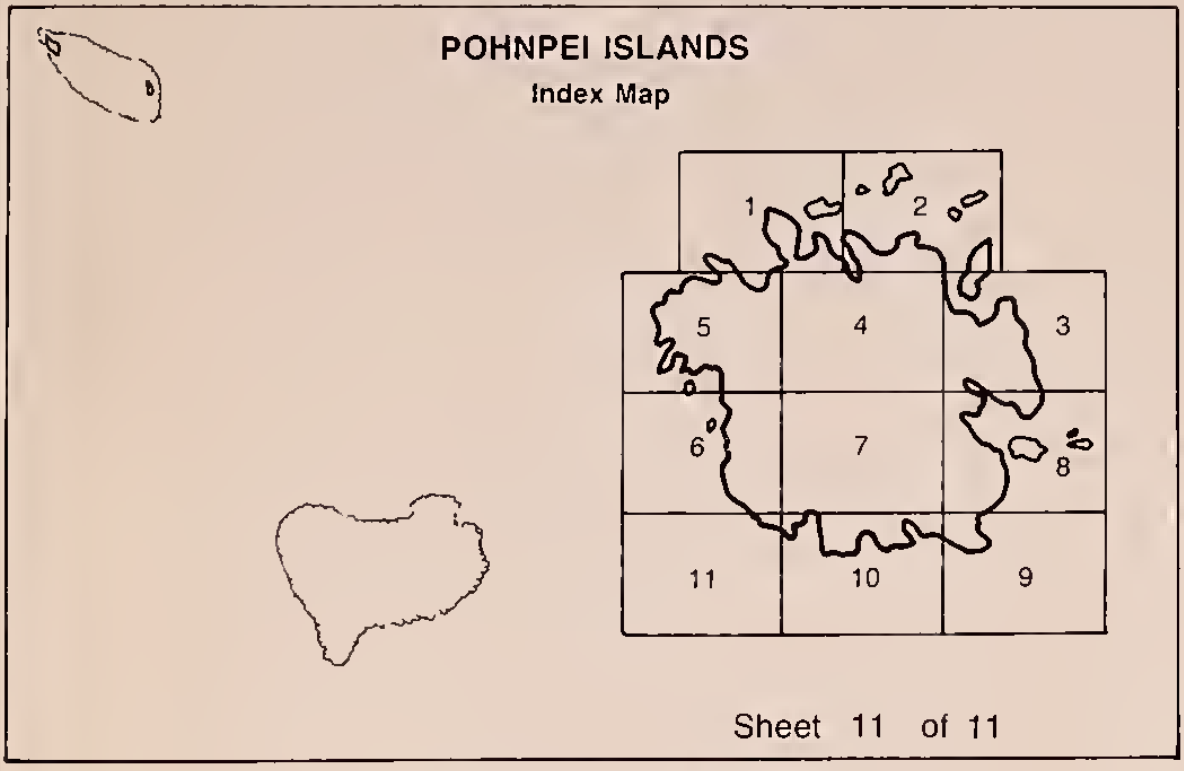
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)	ITEM	LABEL	AREA (HECTARES)
2	PO1H	14.6	172	SV	5.7
3	UP1M.PO	39.3	174	MN1H.R	60.3
4	SV	4	175	SW2H	1.2
6	SV	1.6	178	MN0H	2.8
7	AG.CO	79.7	179	MN0M	4
8	UP1H	4	180	SV V	2.8
9	UP2H	4.9	182	MN1H	1.2
10	AG CO	25.5	183	MN1H	1.6
11	SV V H	3.2	184	MN1H R	7.3
12	UP2H	8.1	185	MN1H	4
13	AG.CO	1.6	186	SW2H	11.3
14	UP2H	19.0	187	SW2H	7.3
16	U	8	188	AG CO	9.7
17	AG.CO	13.8	189	MN2H	12.9
18	AG CO	18.6	190	MN1H	1.2
19	UP1H	8	191	UP2H	4
20	UP2H	15.4	192	M.S	14.6
21	G F	2.0	193	MN1H	2.4
22	MN2H X	144.9	190	SV	1.6
23	UP2H	3.6	197	SV	4.9
25	UP2H	2.4	198	UP1H	8
26	UP1H	2.0	199	UP1M/SV.H	4
27	PO1H I	4	200	UP1H	6.1
28	UP1M/SV	3.2	201	MN0M	1.2
29	G F	8	202	MN0H	2.4
30	AG CO	20.6	203	MN1H	.8
31	SV	4	204	MN2H	4.9
32	UP2H	18.2	205	MN0H R	27.1
33	UP1M/SV	10.1	206	MN1H R	4
34	MN1H R	4	207	MN2H	2.0
35	MN2H	50.6	208	MN2H	13.4
37	MN2H	6.5	209	MN0H R	42.5
38	MN1H R	2.0	210	SW2H	1.2
39	MN1H R	17.0	211	AG.CO	2.0
40	MN2H	4	212	MN1H.R	59.5
41	UP1M/SV	1.6	213	MN0M	4
42	SV	8	214	MN1H	5.3
43	MN1H R	1.2	215	UP2H	3.2
44	PO1H	7.3	216	MN1H	1.6
45	SV H	8	217	UP1M/SV H	3.6
46	SV H	8	220	MN2M	5.3
47	PO1H	2.0	221	UP1H	1.2
48	SV	8	222	MN2H	30.8
49	UP1H	11.7	223	UP1H	4
50	MN1H R	31.2	224	UP2M	3.6
51	PO1H	2.0	225	UP1H/SV H	2.4
52	UP1M/SV H	10.5	226	MN1H R	2.4
53	MN2H	89.6	227	MN2H	2.4
54	SV V	1.2	228	MN1H R	8
55	PO1H.I	1.2	230	MN1H	15.8
56	SV H	1.6	231	MN1H R	12.9
57	PO1H	6.1	233	MN2H	18.6
58	SV	4	234	MN1H	4
59	PO1H	6.1	235	MN2H	5.3
60	UP1H	6.1	236	MN2H	4
61	MN2H	25.5	237	AG CO	2.8
62	AG	1.6	238	AT1H	2.0
63	MN1H R	8	300	UP1H	4.0
64	SV	1.2	301	UP1M/SV	9.7
65	SV	2.0	302	SV	2.0
66	G.CA F	4.5	303	UP1H	6.1
68	MN2H	13.4	304	MN0M	4
69	MN2H	7.7	305	UP2M	4.5
70	UP2M/SV H	7.3			
71	G.CA	1.6			
72	PO1H	2.0			
73	MN1H R	16.2			
75	AG CO	6.1			
76	UP1H	14.6			
77	SW2H	2.4			
78	G F	4			
79	SW1M/SV H	8.9			
80	MN1H R	12.1			
81	PO1H	1.6			
82	UP1H	5.7			
83	AG CO	8.5			
84	SV.V	2.4			
85	SW2L/SV H	3.2			
86	G G	1.6			
87	MN1H R	18.2			
88	MN1H R	8.5			
89	SV H	1.2			
91	MN2H R	1.6			
92	PO1H I	1.2			
93	SW1H	4.0			
94	PO1H.I	4			
95	SW2H	32.0			
96	MN2H	66.0			
97	MN1H S	5.7			
98	MN2H	4.5			
99	PO1H	3.6			
100	SV	2.8			
101	M F	1.6			
102	SV H	8			
103	SV H	2.8			
104	MN2M	3.2			
105	SV H	2.0			
106	UP2H	17.4			
107	PO1H 1	1.2			
109	MN1H.R	24.2			
111	SW1H	2.8			
112	SV H	5.7			
113	SW1H	10.5			
114	UP1H	12.5			
115	SW2M/SV H	5.7			
116	SW1H	1.2			
117	PO1H	1.6			
118	SV.V	2.0			
119	MN1H	4.5			
121	PO1H 1	8			
122	M F	4.5			
123	SV.V	4			
124	MN1H R	1.6			
126	MN1H R	2.0			
127	UP1M	2.0			
128	MN2H	27.5			
130	UP1M/SV V	3.6			
131	U	4			
132	SV.V	8			
133	M F	6.9			
134	SW2H	11.3			
136	MN1H.R	193.8			
138	MN1H.R	7.7			
140	MN1H R	18.2			
141	SW1H	5.7			
142	SV V	1.6			
143	SV.V	2.4			
147	AG CO	3.6			
149	MN1H	5.7			
150	MN1H.R	2.4			
152	MN1H	4			
153	MN2H	8.1			
154	MN1H	4.0			
155	UP1M/SV H	8.9			
157	UP1H	1.6			
158	MN1H	2.8			
159	PO1H.I	1.2			
160	SV.V	8			
161	MN1H R	8.9			
162	MN1M	4			
163	MN1H.R	23.1			
164	AG CO	1.6			
165	MN1H.R	30.4			
166	MN1H.SW	14.6			
167	UP2H	.4			
169	MN2M	8.1			
170	MN1H	8.9			
171	SW2M	3.2			

Vegetation map compiled by Pacific Southwest Forest and Ranger Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section; 1987.



MacLean, Colin D.; Cole, Thomas G.; Whitesell, Craig D.; Falanruw, Marjorie V.; Ambacher, Alan H. Vegetation survey of Pohnpei, Federated States of Micronesia. Resour. Bull. PSW-18. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1986. 9 p. + 11 maps.

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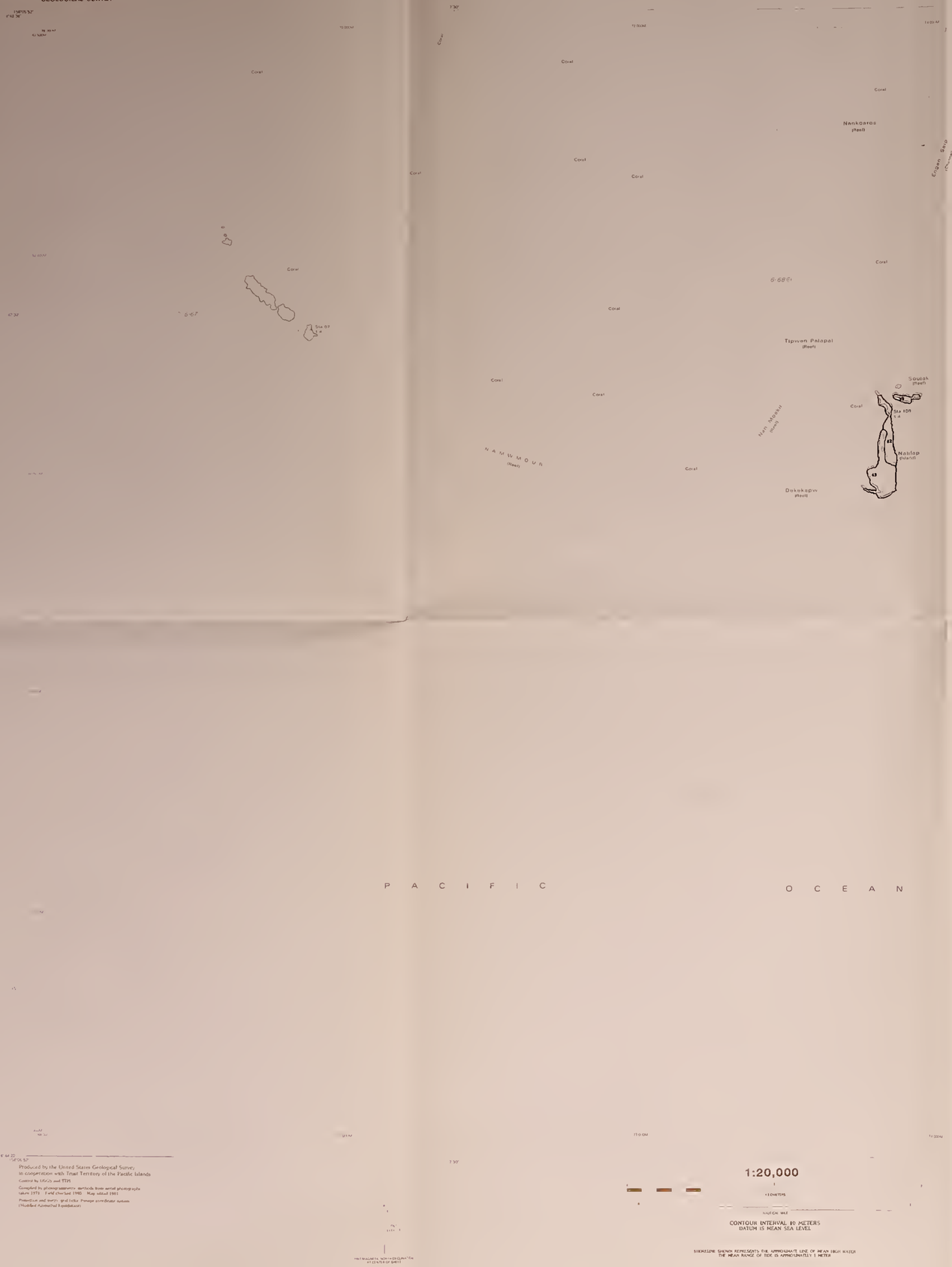
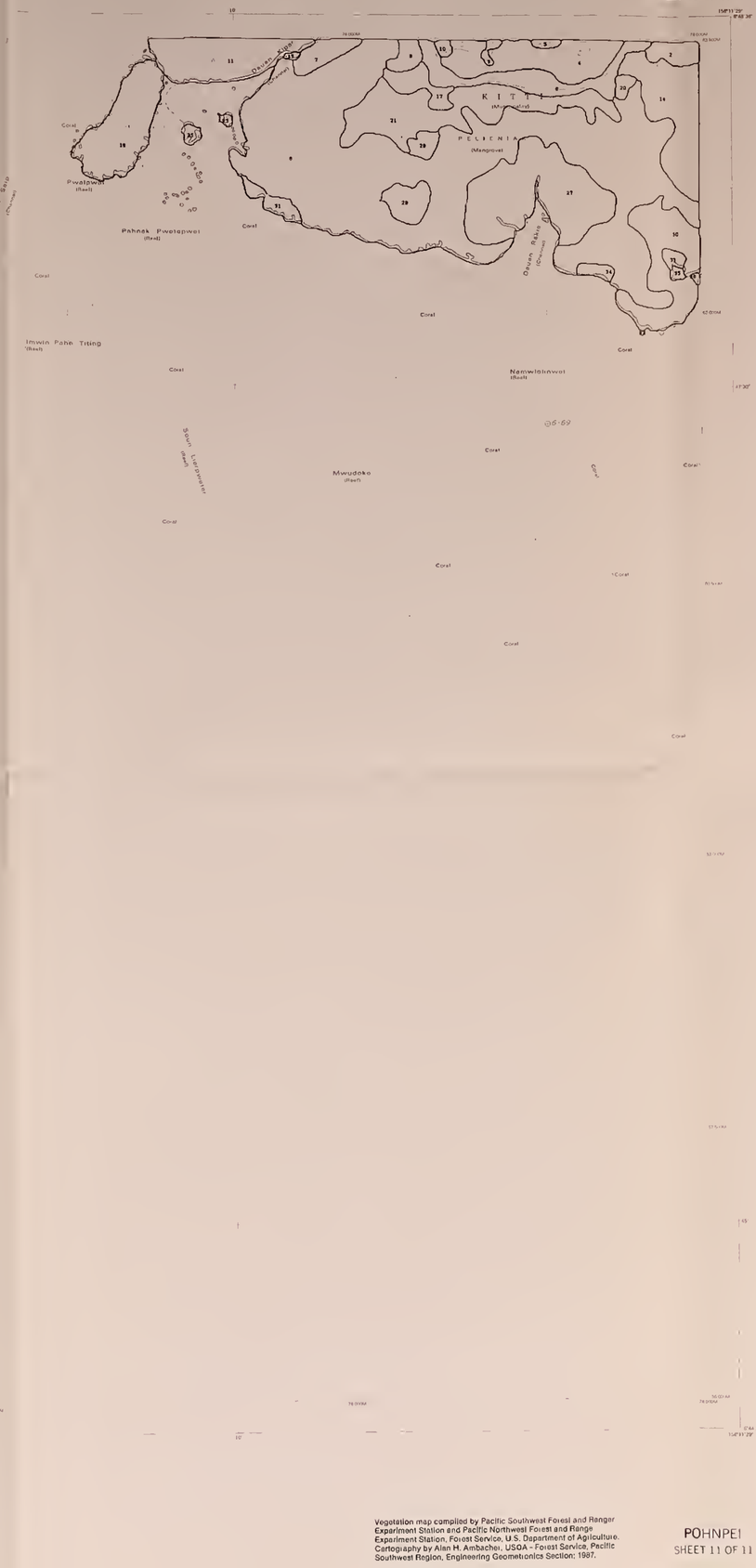


P A C I F I C O C E A N



VEGETATION LEGEND

For explanation of vegetation type codes see Table 3.

ITEM	LABEL	AREA (HECTARES)
2	MN1H.R	3.6
3	M.F.C	.8
4	SW1H	16.6
5	M.F.C	.8
6	SW2M	12.5
7	MN1H	4.0
8	MN1H.R	146.5
9	MN2M	2.4
10	M.F	.8
11	MN1H	17.0
14	MN2H	19.0
17	MN1H	4.5
18	MN1H.R	17.4
20	MN0H	1.2
21	MN2M	25.9
23	MN1H	.4
25	MN1M	.8
26	MN0H	2.0
27	MN2H	31.2
29	MN2H.S	4.5
30	MN2H	18.6
31	MN2H.S	2.8
33	MN1H	1.2
34	MN2H.S	1.6
37	MN2H	.4
39	AT1H	.8
42	AT1H	2.8
43	AG.CO	4.9
37	MN2H	.4
39	AT1H	.8
42	AT1H	2.8
43	AG.CO	4.9

Produced by the United States Geological Survey
in cooperation with Trust Territory of the Pacific Islands
Control by USGS and TTPI
Compiled by photogrammetric methods from aerial photographs
taken 1973. Field checked 1980. Map edited 1981
Projection and 10,000-foot ticks: Transverse Mercator projection
Polyconic projection
1927 North American datum
10,000-meter Universal Transverse Mercator grid, zone 57
1000-meter Universal Transverse Mercator grid ticks, zone 57
(Modified Azimuthal Equidistant)

1:20,000

CONTOUR INTERVAL 10 METERS
DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 METER

Vegetation map compiled by Pacific Southwest Forest and Ranger Experiment Station and Pacific Northwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture. Cartography by Alan H. Ambacher, USDA - Forest Service, Pacific Southwest Region, Engineering Geometronics Section: 1987.

POHNPEI
SHEET 11 OF 11

MacLean, Colin D.; Cole, Thomas G.; Whitesell, Craig D.; Falanruw, Marjorie C.; Ambacher, Alan H. **Vegetation Survey of Pohnpei, Federated States of Micronesia.** Resour. Bull. PSW-18. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture; 1986. 9 p. + 11 maps.

The vegetation on the island of Pohnpei, in the eastern Caroline Islands, was mapped for land-use planning, forest resource management, and timber volume surveys. Eleven maps show the location and extent of vegetation types that were delineated on 1975 aerial photographs. A 1983 ground survey identified changes in land-use since 1975, and tabular data reflect these changes. Forest area is estimated at 19,683 ha (48,637 acres), with an additional 1,843 ha (4,554 acres) in secondary vegetation. Almost one-third, 11,865 ha (29,318 acres), of the island is used for agroforestry.

Retrieval Terms: vegetation survey, vegetation maps, forest resources, Pohnpei, Ponape, Federated States of Micronesia